

## Catalogue Overview 24

AC/DC & DC/DC Converters

AC/DC & DC/DC LED Drivers

EMC Filters



Medical



Industrial



Lighting



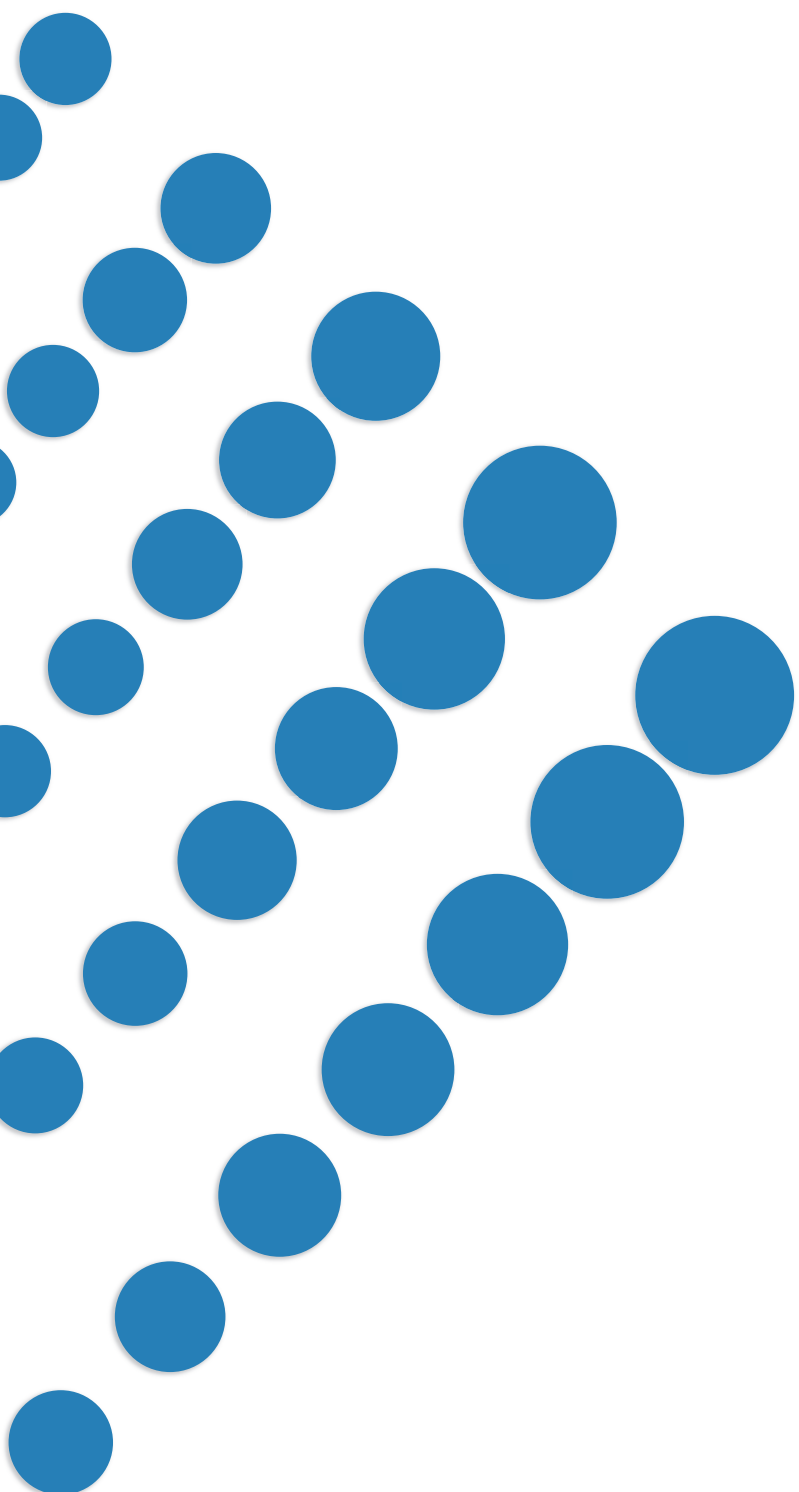
Transportation



Renewable Energy



IoT



The **Aimtec brand** is associated with quality, value and service. Headquartered in Canada with offices in Europe and Asia, Aimtec is actively involved in the research and development of modular switching power supplies. Aimtec's designs assist customers worldwide in reducing engineering design time and expense, while facilitating miniaturization and performance enhancement of their applications.



# Aimtec Offers a Wide Range of Package Types

3

PACKAGE TYPES

## SMD



SMD : 1/4W, 1W, 2W



SMD : 1W



SMD open frame : 1W, 2W



SMD : 1.5W, 2W, 3W

## SIP



SIP3 : 5W, 7W, 12W



SIP4 : 1/4W, 1/2W, 1W, 2W



SIP6 : 1W, 3W



SIP7 : 1W, 2W, 3W



SIP8 : 1W, 2W, 3W, 6W, 9W, 10W



SIP9 : 2W, 3W

## DIP



DIP8 : 1W



DIP14 : 1W, 2W



DIP14 : 1W



DIP16 : 2W



DIP24 : 3W, 4W, 5W, 6W, 8W, 10W, 12W, 15W

## OTHER TYPES



1" x 1": 6W, 10W, 15W, 20W, 30W



2" x 1": 10W, 15W, 20W, 30W, 40W, 50W, 60W



2" x 1.6": 30W



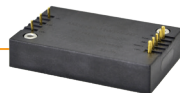
Non-standard:  
1.08" x 0.70" x 0.28", 2W  
1.37" x 0.90" x 0.28", 3W  
1.75" x 1.10" x 0.28", 6W



2" x 2": 40W, 60W



Heat sink option:  
15W, 20W, 30W, 40W, 60W

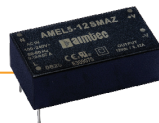


Quarter Brick: 50W, 75W, 100W, 150W, 200W

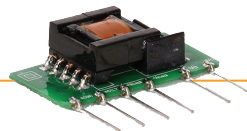


Half Brick: 150W

## AC/DC



Encapsulated: 1W, 2W, 3W, 5W, 10W, 15W, 20W, 25W, 30W, 40W, 60W



Open Frame: 1W, 3W, 5W, 45W



Enclosed: 15W, 30W, 40W



Open Frame: 1W, 3W, 5W, 10W, 30W, 40W



Mounting plate  
5W, 10W, 15W, 20W, 25W, 40W, 60W

## LED DRIVERS



SMD  
AMLDV-NZ



DIP14, DIP16  
AMLDL-Z, AMLDL-RZ



DIP16  
AMLDLW-Z  
Wire connections



DIP24  
AMLDLW-RZ



IP68  
AME(P)Rxx-(C)AZ  
AME(P)R-Z



IP67, IP20  
AMEPRxxD-AZ  
AME(P)R-Z



IP67  
AMEPR5/8-AZ

1

Aimtec offers new higher MPQs for selected series to reduce lead time and improve cost effectiveness.

2

A total redesign of Aimtec's website will offer powerful tools for helping customers compare our different products.

3

Four new cost-effective models added to some of our bestselling series offering you ENORMOUS cost savings!

- AM1DS-0505SJZ, AM1DR-0505SJZ, AM1LS-0505SJZ, AM1SS-0505SJZ

4

Aimtec is launching a collection of product training videos to help our customers better understand our product's capabilities.

5

Our new LED driver product lines that come standard with features such as dimming and weather proofing will be sure to satisfy your lighting needs.

6

Aimtec now offers EMC filters designed to offer the best EMC compliance and help get your design to market faster.

7

Aimtec will be expanding its SMD product offerings to higher power ranges to accommodate increasing market demand.

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# DC/DC Converters (isolated)



# One of the industry's largest and most complete product offering of 1 to 3 Watt converters just got **LARGER!**

Over 7700 models overall (4000+ between 1 ~ 3 watt)

Output power: ¼ W ~ 200W (SMD from ¼W to 3W)

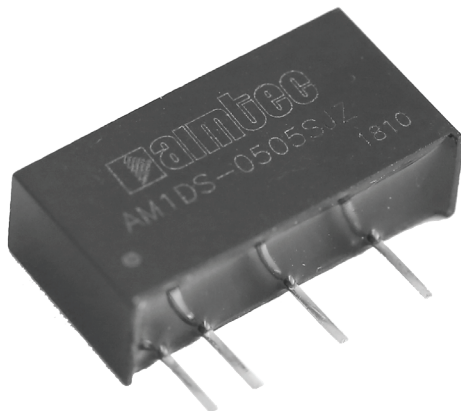
Input range: Up to 1500VDC ( $\pm 10\%$ , 2:1, 4:1, up to 10:1)

Input / Output isolation: 1000 ~ 6000VDC, up to 5000VAC

Industrial operating temperature range: -40 °C cold start up to 125 °C

Industry standard pin configurations

Wide assorted packages: SIP, DIP, SMD, 1x1", 2x1", 2x1.6", 2x2", Quarter Brick, Half Brick



One of The All New 1 Watt Low Power Win Models, Featuring a SIP4 Package



One of The All New 1 Watt Low Power Win Models, Featuring a SMD Package

# DC/DC converters

## 1/4 Watt



AM1/4S-Z SIP4

| SERIES     | INPUT (VDC)       | SINGLE OUTPUT (VDC)            | DUAL OUTPUT (VDC) | DUAL SEPARATED OUTPUT (VDC) | ISOLATION (VDC) | CASE | SAFETY |
|------------|-------------------|--------------------------------|-------------------|-----------------------------|-----------------|------|--------|
| AM1/4LS-NZ | 3.3, 5, 12, 24    | 3.3, 5, 9, 12                  | --                | --                          | 1.5K, 3K        | SMD  | --     |
| AM1/4S-Z   | 5, 12, 15, 24, 48 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | --                | --                          | 1K, 3K          | SIP4 | CE     |
| AM1/4SS-NZ | 3, 5, 12, 15, 24  | 3.3, 5, 9, 12                  | --                | --                          | 1.5K            | SIP4 | --     |

## 1/2 Watt



AM1A-Z SIP6

|          |                      |                                |    |    |      |      |    |
|----------|----------------------|--------------------------------|----|----|------|------|----|
| AM1/2S-Z | 3, 5, 12, 15, 24, 48 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | -- | -- | 1.5K | SIP4 | -- |
|----------|----------------------|--------------------------------|----|----|------|------|----|

## 1 Watt



AM1G-Z SIP8



AM1LS-NZ SMD



AM1PS-Z DIP8

|          |                           |                                |                                        |                                                        |                      |      |        |
|----------|---------------------------|--------------------------------|----------------------------------------|--------------------------------------------------------|----------------------|------|--------|
| AM1A-Z   | 4.5-9, 9-18, 18-36, 36-75 | 5, 12, 15, 24                  | ±12, ±15                               | --                                                     | 1.5K                 | SIP6 | CE     |
| AM1D-Z   | 3.3, 5, 12, 15, 24, 48    | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | 3.3/3.3, 5/5, 7.2/7.2, 9/9, 12/12, 15/15, 18/18, 24/24 | 1K, 3K, 4K, 5.2K, 6K | SIP7 | CE, UL |
| AM1D-RZ  | 5, 12, 15, 24, 48         | 5, 9, 12, 15                   | ±5, ±9, ±12, ±15                       | --                                                     | 1K, 3K               | SIP7 | CE     |
| AM1D-NZ  | 5, 12, 24                 | 5, 9, 12, 15                   | ±5, ±9, ±12, ±15                       | --                                                     | 1K, 3K, 6K           | SIP7 | CE, UL |
| AM1DC-Z  | 5, 9, 12, 15, 24          | 3.3, 5, 9, 12, 15              | ±3.3, ±5, ±9, ±12, ±15, ±15/-9         | --                                                     | 6K                   | SIP7 | CE     |
| AM1DE-Z  | 5, 12, 24                 | 5, 12, 15                      | ±5, ±12, ±15                           | --                                                     | 1.5K, 3K             | SIP7 | CE     |
| AM1DG-NZ | 15                        | 9                              | --                                     | --                                                     | 3K VAC               | SIP7 | CE, UL |
| AM1DM-NZ | 3.3, 5, 12, 24            | 3.3, 5, 12, 15                 | ±5, ±9, ±12, ±15                       | --                                                     | 6K                   | SIP7 |        |
| AM1DR-Z  | 5, 12, 24                 | 3.3, 5, 7.2, 9, 12, 15         | --                                     | --                                                     | 1K, 3K               | SIP7 | CE     |
| AM1DR-RZ | 5, 12, 24                 | 3.3, 5, 7.2, 9, 12, 15         | --                                     | --                                                     | 1K                   | SIP7 | CE     |
| AM1DR-NZ | 5, 12, 24                 | 5, 12, 15, 24                  | --                                     | --                                                     | 1K, 3K               | SIP7 | --     |
| AM1DS-Z  | 5, 12, 24                 | 5, 7.2, 9, 12, 15, 18, 24      | ±5, ±7.2, ±9, ±12, ±15                 | --                                                     | 1K, 3K, 4K, 5.2K, 6K | SIP7 | --     |
| AM1DS-NZ | 3.3, 5, 12, 15, 24        | 3.3, 5, 9, 12, 15, 24          | ±5, ±9, ±12, ±15, ±24                  | --                                                     | 1.5K, 3K             | SIP7 | CE, UL |
| AM1DU-Z  | 4.5-9, 9-18, 18-36        | 5, 12                          | --                                     | --                                                     | 1.5K, 3K             | SIP7 | --     |
| AM1G-Z   | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | --                                                     | 1K, 3K               | SIP8 | CE     |
| AM1G-NZ  | 4.5-9, 9-18, 18-36, 36-75 | 3.3, 5, 9, 12, 15, 24          | ±5, ±9, ±12, ±15                       | --                                                     | 1.5K, 3K             | SIP8 | --     |

## 1 Watt (con't)

| SERIES      | INPUT (VDC)        | SINGLE OUTPUT (VDC)            | DUAL OUTPUT (VDC)                                                | DUAL SEPARATED OUTPUT (VDC)                            | ISOLATION (VDC) | CASE  | SAFETY |
|-------------|--------------------|--------------------------------|------------------------------------------------------------------|--------------------------------------------------------|-----------------|-------|--------|
| AM1L-NZ     | 3.3, 5, 12, 24     | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 9, \pm 12, \pm 15$                                   | 5/5, 12/12, 15/15                                      | 1K, 3K          | SMD   | CE, UL |
| AM1LE-NZ    | 5                  | 5                              | --                                                               | --                                                     | 3.5K            | SMD   | --     |
| AM1LO       | 3, 5               | 3.3, 5                         | $\pm 3.3, \pm 5$                                                 | --                                                     | 4.2K            | SMD   | --     |
| AM1LR-NZ    | 5, 12, 24          | 3.3, 5, 12, 15                 | --                                                               | --                                                     | 1K, 3K          | SMD   | --     |
| AM1LR-JZ    | 5                  | 3.3, 5, 12, 15                 | --                                                               | --                                                     | 3K              | SMD   | --     |
| AM1LS-N(J)Z | 3.3, 5, 12, 15, 24 | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$                           | --                                                     | 1.5K, 3K        | SMD   | --     |
| AM1LS-VZ    | 5                  | 3.3, 5, 9, 12, 15, 24          | $\pm 3.3, \pm 5, \pm 9, \pm 12, \pm 15, \pm 24$                  | --                                                     | 1.5K, 3K        | SMD   | --     |
| AM1LS-XZ    | 5                  | 5                              | --                                                               | --                                                     | 1.5K            | SMD   | CE     |
| AM1LT-NZ    | 5, 12              | 5, 12, 15                      | --                                                               | --                                                     | 1.5K, 3K        | SMD   | --     |
| AM1M-NZ     | 3.3, 5, 12, 15, 24 | 3.3, 5, 12, 15                 | $\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$                           | --                                                     | 1.5K, 3K        | DIP14 | --     |
| AM1MR-Z     | 5, 12, 24          | 3.3, 5, 7.2, 9, 12, 15         | --                                                               | --                                                     | 1K              | DIP14 | CE     |
| AM1P-Z      | 3.3, 5, 12, 24, 48 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 3.3/3.3, 5/5, 7.2/7.2, 9/9, 12/12, 15/15, 18/18, 24/24 | 1K, 3K          | DIP8  | CE     |
| AM1PS-Z     | 5                  | 3.3, 5, 9, 12, 15, 24          | --                                                               | --                                                     | 3K              | DIP8  | --     |
| AM1PS-NZ    | 3.3, 5, 12, 15, 24 | 3.3, 5, 9, 12, 15, 24          | --                                                               | --                                                     | 1.5K            | DIP8  | CE, UL |
| AM1PS-JZ    | 3.3, 5, 12, 15, 24 | 3.3, 5, 9, 12, 15, 24          | --                                                               | --                                                     | 1.5K            | DIP8  | CE, UL |
| AM1S-Z      | 3.3, 5, 12, 24, 48 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | --                                                               | --                                                     | 1K, 3K          | SIP4  | CE     |
| AM1SS-Z     | 5, 12, 24          | 5, 12, 15                      | --                                                               | --                                                     | 1K, 3K          | SIP4  | --     |
| AM1SS-NZ    | 3.3, 5, 12, 15, 24 | 3.3, 5, 9, 12, 15, 24          | --                                                               | --                                                     | 1.5K            | SIP4  | CE, UL |

NEW

NEW



AM1N-NZ DIP24



AM2B-NZ DIP16



IoT: one of Aimtec's target applications

2 Watt



AM2LV-NZ SMD



AM2N-NZ DIP24



AM2Q-Z 1"x0.7"



AM2D-RZ SIP7

NEW

| SERIES   | INPUT (VDC)               | SINGLE OUTPUT (VDC)            | DUAL OUTPUT (VDC)                      | DUAL SEPARATED OUTPUT (VDC)                            | ISOLATION (VDC)      | CASE  | SAFETY |
|----------|---------------------------|--------------------------------|----------------------------------------|--------------------------------------------------------|----------------------|-------|--------|
| AM2B-NZ  | 5, 12, 24                 | 5, 12, 15                      | --                                     | --                                                     | 6K                   | DIP16 | CE     |
| AM2D-Z   | 5, 12, 24, 48             | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | 3.3/3.3, 5/5, 7.2/7.2, 9/9, 12/12, 15/15, 18/18, 24/24 | 1K, 3K, 4K, 5.2K, 6K | SIP7  | CE     |
| AM2D-RZ  | 5, 12, 15, 24, 48         | 5, 9, 12, 15                   | ±5,±9, ±12, ±15                        | --                                                     | 1K, 3K               | SIP7  | CE     |
| AM2DM-NZ | 5, 12, 24                 | 5, 12, 15                      | ±5, ±9, ±12, ±15                       | --                                                     | 6K                   | SIP7  | --     |
| AM2DG-NZ | 9, 12, 15, 24             | 15, 17                         | -8.7, -8                               | --                                                     | 3K                   | SIP7  | CE, UL |
| AM2DS-Z  | 5, 12, 15, 24             | 3.3, 5, 9, 12, 15              | ±5,±9, ±12, ±15, +15/-9                | --                                                     | 5.2K                 | SIP7  | --     |
| AM2DS-NZ | 5, 12, 15, 24             | 3.3, 5, 9, 12, 15, 24          | ±3.3, ±5, ±9, ±12, ±15, ±24            | --                                                     | 1.5K, 3K             | SIP7  | CE, UL |
| AM2F-Z   | 5, 12, 24                 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | --                                     | --                                                     | 1K, 3K, 5.2K         | SIP12 | --     |
| AM2G-Z   | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | --                                                     | 1K, 3K               | SIP8  | CE     |
| AM2GH-Z  | 4.5-18, 9-36, 18-75       | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                                     | 1.6K                 | SIP8  | CE     |
| AM2GW-Z  | 9-36, 18-75               | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                                     | 1.5K                 | SIP9  | CE     |
| AM2GW-NZ | 9-36, 18-72               | 5                              | --                                     | --                                                     | 1.5K                 | SIP9  | --     |
| AM2LS-NZ | 5, 12, 15, 24             | 3.3, 5, 9, 12, 15, 24          | --                                     | --                                                     | 1.5K, 3K             | SMD   | --     |
| AM2M-NZ  | 3.3, 5, 9, 12, 15, 24     | 3.3, 5, 9, 12, 15, 24          | ±5,±9, ±12, ±15, ±24                   | --                                                     | 1.5K, 3K             | DIP14 | --     |
| AM2S-Z   | 5, 12, 24, 48             | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | --                                     | --                                                     | 1K, 3K               | SIP4  | CE     |
| AM2LO-Z  | 3, 4.5                    | 3.3, 5                         | -5, -3.3                               | --                                                     | 4.2K                 | SMD   | CE     |
| AM2LOW-Z | 4.5-18, 9-36              | 5, 12, 15                      | ±12, ±15                               | --                                                     | 3K                   | SMD   | CE     |



| SERIES    | INPUT (VDC)               | SINGLE OUTPUT (VDC)            | DUAL OUTPUT (VDC)                      | ISOLATION (VDC) | CASE  | SAFETY |
|-----------|---------------------------|--------------------------------|----------------------------------------|-----------------|-------|--------|
| AM3D-Z    | 5, 12                     | 5, 9, 12, 15                   | ±5,±9, ±12, ±15                        | 1K, 3K          | SIP7  | CE     |
| AM3A-Z    | 12, 24, 48                | 3.3, 5, 12, 15                 | ±5, ±12                                | 1.6k            | SIP6  | --     |
| AM3DG-NZ  | 12, 15, 24                | 15, 20                         | -8, -4                                 | 3KVAC, 3.5KVAC  | SIP7  | --     |
| AM3F-Z    | 5, 12, 24                 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | --                                     | 1K, 3K, 5.2K    | SIP12 | --     |
| AM3G-NZ   | 4.5-9, 9-18, 18-36, 36-75 | 3.3, 5, 9, 12, 15, 24          | ±5,±9, ±12, ±15                        | 1.5K, 3K        | SIP8  | --     |
| AM3G-Z    | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | 1.6K, 3K        | SIP8  | CE     |
| AM3GH-Z   | 4.5-18, 9-36, 18-75       | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | 1.6K            | SIP8  | CE     |
| AM3GW-Z   | 9-36, 18-75               | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | 1.5K            | SIP9  | CE     |
| AM3HW-NZ  | 9-36, 18-75               | 5, 12, 15, 24                  | --                                     | 1.5K            | SMD   | --     |
| AM3LV-NZ  | 9-18, 18-36, 36-75        | 5, 12, 15                      | ±5, ±12, ±15                           | 1.5K            | SMD   | --     |
| AM3N-D-RZ | 5, 12, 24                 | --                             | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | 1K, 3K, 5.2K    | DIP24 | CE     |
| AM3N-Z    | 5, 12, 24                 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | --                                     | 1K, 3K, 5.2K    | DIP24 | CE     |
| AM3T-Z    | 9-18, 18-36, 36-72        | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | 1.5K, 3.5K      | DIP24 | --     |
| AM3T-NZ   | 4.5-9, 9-18, 18-36, 36-75 | 3.3, 5, 12, 15, 24             | ±5, ±9, ±12, ±15                       | 1.5K            | DIP24 | CE, UL |
| AM3T-PNZ  | 4.5-9, 9-18, 18-36, 36-75 | 3.3, 5, 9, 12, 15, 24          | ±5, ±9, ±12, ±15                       | 1.5K, 3K        | DIP24 | --     |
| AM3T-RZ   | 9-18, 18-36, 36-72        | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | 1.5K            | DIP24 | CE     |
| AM3T-VZ   | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±5, ±7.2, ±9, ±12, ±15, ±18, ±24       | 1.5K, 3.5K      | DIP24 | --     |
| AM3T-RVZ  | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±5, ±7.2, ±9, ±12, ±15, ±18, ±24       | 1.5K            | DIP24 | --     |
| AM3TI-RZ  | 9-18, 18-36, 36-75        | 3.3, 5, 12, 15, 24             | ±3.3, ±5, ±12, ±15, ±24                | 1.5K, 3K        | DIP24 | CE, UL |
| AM3TW-Z   | 9-36, 18-72               | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | 1.5K, 3.5K      | DIP24 | --     |
| AM3TW-NZ  | 9-36, 18-75               | 3.3, 5, 9, 12, 15, 24          | --                                     | 1.5k            | DIP24 | --     |
| AM3TW-RZ  | 9-36, 18-72               | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | 1.5K            | DIP24 | CE     |
| AM3TW-VZ  | 9-36, 18-72               | 5, 9, 12, 15, 24               | ±5, ±9, ±12, ±15, ±24                  | 1.5K, 3.5K      | DIP24 | --     |
| AM3TIW-RZ | 9-36, 18-75               | 3.3, 5, 12, 15, 24             | ±3.3, ±5, ±12, ±15, ±24                | 1.5K, 3K        | DIP24 | CE, UL |
| AM3IW-NZ  | 18-75                     | 5/5, 5/12, 5/24                | --                                     | 3K              | SIP10 | CE     |



AM3F SIP12



AM3G-Z SIP8



AM3Q-Z 1.7" x 1.1"



AM3N-Z DIP24





AM4TW-RZ DIP24

## 4 Watt

| SERIES    | INPUT (VDC)               | SINGLE OUTPUT (VDC)            | DUAL OUTPUT (VDC)                                                | ISOLATION (VDC) | CASE  | SAFETY |
|-----------|---------------------------|--------------------------------|------------------------------------------------------------------|-----------------|-------|--------|
| AM4N-Z    | 5, 12                     | 3.3, 5, 12, 15                 | --                                                               | 5K VAC          | DIP24 | CE     |
| AM4T-Z    | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K, 3.5K      | DIP24 | CE     |
| AM4TW-Z   | 9-36, 18-72               | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K, 3.5K      | DIP24 | CE     |
| AM4TW-RZ  | 9-36, 18-72               | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K            | DIP24 | CE     |
| AM4TW-VZ  | 9-36, 18-72               | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 1.5K, 3.5K      | DIP24 | CE     |
| AM4TW-RVZ | 9-36, 18-72               | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 1.5K            | DIP24 | CE     |



AM5TW-Z DIP24

## 5 Watt

|           |                           |                                |                                                                  |            |              |    |
|-----------|---------------------------|--------------------------------|------------------------------------------------------------------|------------|--------------|----|
| AM5T-Z    | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K, 3.5K | DIP24        | CE |
| AM5T-VZ   | 9-18, 18-36, 36-72        | 5, 9, 12, 15, 24               | $\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$                           | 1.5K, 3.5K | DIP24        | -- |
| AM5TG-NZ  | 9-18, 18-36               | 15                             | -9                                                               | 3k         | DIP24        | -- |
| AM5NG-NZ  | 13.5-16.5                 | --                             | 15 / -9                                                          | --         | DIP24        | CE |
| AM5TW-Z   | 9-36, 18-72               | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K, 3.5K | DIP24        | CE |
| AM5TW-RZ  | 9-36, 18-72               | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K       | DIP24        | CE |
| AM5TW-VZ  | 9-36, 18-72               | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 1.5K, 3.5K | DIP24        | -- |
| AM5TW-RVZ | 9-36, 18-72               | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 1.5K       | DIP24        | -- |
| AM5W-NZ   | 100-1000                  | 5                              | --                                                               | 4K VAC     | 2.76 X 1.89" | -- |



AM5W-NZ

NEW

## 6 Watt

|          |                           |                                |                                                                  |            |        |        |
|----------|---------------------------|--------------------------------|------------------------------------------------------------------|------------|--------|--------|
| AM6C-NZ  | 9-18, 18-36, 36-75        | 3.3, 5, 12, 15, 24             | $\pm 5, \pm 12, \pm 15, \pm 24$                                  | 1.5K       | 1 x 1" | --     |
| AM6CW-NZ | 9-36, 18-75, 40-160       | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 12, \pm 15, \pm 24$                                  | 1.5K       | 1 x 1" | --     |
| AM6G-Z   | 4.5-9, 9-18, 18-36, 36-75 | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 12, \pm 15$                                          | 1.5K, 3K   | SIP8   | CE     |
| AM6G-NZ  | 9-18, 18-36               | 3.3, 5, 9, 12, 15, 24          | --                                                               | 1.5K       | SIP8   | CE     |
| AM6GH-Z  | 9-36, 18-75               | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 12, \pm 15$                                          | 1.5K, 3K   | SIP8   | CE     |
| AM6GH-NZ | 9-36                      | 3.3, 5, 9, 12, 15, 24          | --                                                               | 1.5K       | SIP8   | CE     |
| AM6T-Z   | 4.5-9, 9-18, 18-36, 36-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K, 3.5K | DIP24  | CE     |
| AM6T-VZ  | 9-18, 18-36, 36-72        | 5, 9, 12, 15, 24               | $\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$                           | 1.5K, 3.5K | DIP24  | --     |
| AM6TI-Z  | 9-18, 18-36, 36-75        | 3.3, 5, 12, 15, 24             | $\pm 3.3, \pm 5, \pm 12, \pm 15, \pm 24$                         | 1.5K, 3K   | DIP24  | CE, UL |
| AM6T-NZ  | 9-18, 18-36, 36-75        | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 12, \pm 15$                                          | 1.5K, 3K   | DIP24  | CE     |
| AM6TW-Z  | 9-36, 18-72               | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K, 3.5K | DIP24  | CE     |

AM6Q-Z  
1.7" x 1.1"

NEW

NEW

## 6 Watt (con't)

| SERIES    | INPUT (VDC) | SINGLE OUTPUT (VDC)            | DUAL OUTPUT (VDC)                                                | ISOLATION (VDC) | CASE         | SAFETY |
|-----------|-------------|--------------------------------|------------------------------------------------------------------|-----------------|--------------|--------|
| AM6TW-RZ  | 9-36, 18-72 | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K            | DIP24        | CE     |
| AM6TW-RVZ | 9-36, 18-72 | 12, 15                         | $\pm 12, \pm 15$                                                 | 1.5K            | DIP24        | --     |
| AM6TIW-RZ | 9-36, 18-75 | 3.3, 5, 12, 15, 24             | $\pm 3.3, \pm 5, \pm 12, \pm 15, \pm 24$                         | 1.5K, 3K        | DIP24        | CE, UL |
| AM6TW-NZ  | 9-36, 18-75 | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 12, \pm 15$                                          | 1.5K, 3K, 6K    | DIP24        | --     |
| AM6O-NZ   | 9-18, 18-36 | 3.3, 5, 12, 15                 | --                                                               | 0.5K VAC        | 1.24 X 0.71" |        |



AM8TW-Z DIP24



AM10E-Z 2"x1"



AM10EW-NZ 2"x1"

|          |                            |                    |                         |          |       |    |
|----------|----------------------------|--------------------|-------------------------|----------|-------|----|
| AM8T-Z   | 9-18, 18-36, 36-72         | 3.3, 5, 12, 15     | $\pm 5, \pm 12, \pm 15$ | 1.5K     | DIP24 | CE |
| AM8T-IZ  | 4.5-9, 9-18, 18-36, 36-75  | 3.3, 5, 12, 15     | $\pm 5, \pm 12, \pm 15$ | 1.5K     | DIP24 | CE |
| AM8TW-Z  | 9-36, 13-70, 18-75, 42-176 | 3.3, 5, 12, 15     | $\pm 5, \pm 12, \pm 15$ | 1.6K, 3K | DIP24 | CE |
| AM8TW-IZ | 9-36, 18-75, 36-160        | 3.3, 5, 12, 15, 24 | $\pm 5, \pm 12, \pm 15$ | 1.5K     | DIP24 | CE |

## 9 Watt

|         |                    |                       |                         |      |      |    |
|---------|--------------------|-----------------------|-------------------------|------|------|----|
| AM9GH-Z | 9-36, 18-75        | 3.3, 5, 9, 12, 15, 24 | $\pm 5, \pm 12, \pm 15$ | 1.6K | SIP8 | -- |
| AM9G-Z  | 9-18, 18-36, 36-75 | 3.3, 5, 9, 12, 15, 24 | $\pm 5, \pm 12, \pm 15$ | 1.6K | SIP8 | -- |

## 10 Watt

|            |                     |                                |                                                                  |                 |                            |         |
|------------|---------------------|--------------------------------|------------------------------------------------------------------|-----------------|----------------------------|---------|
| AM10C-NZ   | 18-36               | 5, 12, 15, 24                  | --                                                               | 1.5k            | 1 X 1"                     | --      |
| AM10CW-NZ  | 9-36, 18-75         | 3.3, 5, 12, 15, 24             | $\pm 5, \pm 12, \pm 15, \pm 24$                                  | 1.5K            | 1 x 1"                     | --      |
| AM10CW-VZ  | 18-75               | --                             | 5/5, 5/12, 5/24                                                  | 1.5K            | 1 x 1"                     | CE      |
| AM10T-IZ   | 9-18, 18-36, 36-75  | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 1.5K            | DIP24                      | --      |
| AM10T-Z    | 9-18, 18-36, 36-75  | 2.5, 3.3, 5, 12, 15            | $\pm 12, \pm 15$                                                 | 1.5k            | DIP24                      | CE, UL  |
| AM10T-NZ   | 9-18, 18-36, 36-75  | 12, 15, 24                     | $\pm 5, \pm 12, \pm 15$                                          | 1.5k            | DIP24                      | CE      |
| AM10TW-IZ  | 9-36, 18-75         | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 1.5K            | DIP24                      | --      |
| AM10TW-Z   | 9-36, 18-75         | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 1.6K            | DIP24                      | CE      |
| AM10E-Z    | 9-18, 18-36, 36-72  | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | $\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$ | 1.5K            | 2 X 1"                     | CE      |
| AM10G-NZ   | 9-18, 18-36         | 3.3, 5, 12, 15, 24             | --                                                               | 1.5K            | SIP8                       | CE      |
| AM10GH-NZ  | 9-36                | 3.3, 5, 12, 15, 24             | --                                                               | 1.5K            | SIP8                       | CE      |
| AM10EW-NZ  | 9-36, 18-75, 40-160 | 3.3, 5, 9, 12, 15, 24          | $\pm 5, \pm 12, \pm 15$                                          | 1.5K, 2.25k, 3K | 2 X 1"                     | CE      |
| AM10W-NZ   | 100-1000, 200-1500  | 5, 9, 24                       | --                                                               | 4K VAC          | 2.76 x 1.89", 4.92 x 2.95" | CSA, UL |
| AM10WM-NZ  | 200-1500            | 5                              | --                                                               | 4KVAC           | 4.3 x 2.3"                 | --      |
| AM10TWM-YZ | 9-36, 18-75         | 3.3, 5, 12, 15                 | $\pm 5, \pm 12, \pm 15$                                          | 5KVAC           | DIP24                      | --      |



AM12T-Z DIP24

AM6O-NZ  
Open Frame

## 12 Watt

|          |                    |                     |                         |      |       |    |
|----------|--------------------|---------------------|-------------------------|------|-------|----|
| AM12T-Z  | 9-18, 18-36, 36-75 | 2.5, 3.3, 5, 12, 15 | $\pm 12, \pm 15$        | 1.6K | DIP24 | CE |
| AM12TW-Z | 9-36, 18-75        | 3.3, 5.1, 12, 15    | $\pm 5, \pm 12, \pm 15$ | 1.6K | DIP24 | CE |

NEW

NEW



AM15TW-Z DIP24

## 15 Watt

| SERIES    | INPUT (VDC)         | SINGLE OUTPUT (VDC)            | DUAL OUTPUT (VDC)                      | DUAL SEPA-<br>RATED<br>OUTPUT (VDC) | ISOLATION (VDC) | CASE                          | SAFETY  |
|-----------|---------------------|--------------------------------|----------------------------------------|-------------------------------------|-----------------|-------------------------------|---------|
| AM15C-Z   | 9-18, 18-36, 36-75  | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                  | 1.6K            | 1 X 1"                        | CE      |
| AM15CW-Z  | 9-36, 18-75         | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                  | 1.6K            | 1 X 1"                        | CE      |
| AM15E-Z   | 9-18, 18-36, 36-72  | 3.3, 5, 7.2, 9, 12, 15, 18, 24 | ±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24 | --                                  | 1.5K            | 2 X 1"                        | CE      |
| AM15E-IZ  | 9-18, 18-36, 36-75  | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                  | 1.5K, 3K        | 2 X 1"                        | CE      |
| AM15E-NZ  | 18-36, 36-75        | 5, 12, 15, 24                  | --                                     | --                                  | 1.5K            | 2 X 1"                        | CE      |
| AM15OW-NZ | 9-36, 18-75         | 3.3, 5, 12, 15                 | --                                     | --                                  | 1.5K            | 1.52 X 1.07"                  | CE      |
| AM15EW-Z  | 9-36, 18-72         | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                  | 1.5K, 3K        | 2 X 1"                        | CE      |
| AM15EW-IZ | 9-36, 18-75, 36-160 | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                  | 1.5K, 3K        | 2 X 1"                        | CE      |
| AM15EW-NZ | 9-36, 18-75, 40-160 | 3.3, 5, 12, 15, 24             | --                                     | --                                  | 1.5K, 2.25k     | 2 X 1"                        | --      |
| AM15JW-Z  | 9-36, 18-75         | 3.3, 5, 12, 15                 | ±5, ±12, ±15                           | --                                  | 3k              | 1.6 X 1"                      | --      |
| AM15W-NZ  | 100-1000, 200-1500  | 12, 15, 24                     | --                                     | --                                  | 4K VAC          | 2.76 X 1.89",<br>4.92 X 2.95" | CSA, UL |
| AM15WM-NZ | 200-1500            | 12, 15, 24                     | --                                     | --                                  | 4KVAC           | 4.3 X 2.3"                    | --      |
| AM15T-Z   | 9-18, 18-36, 36-75  | 3.3, 5.1, 12, 15               | ±5, ±12, ±15                           | --                                  | 1.6K            | DIP24                         | CE      |
| AM15TW-Z  | 9-36, 18-75         | 3.3, 5.1, 12, 15               | ±5, ±12, ±15                           | --                                  | 1.6K            | DIP24                         | CE      |

## 20-25 Watt

|            |                     |                       |                   |                 |                    |          |    |
|------------|---------------------|-----------------------|-------------------|-----------------|--------------------|----------|----|
| AM20C-Z    | 9-18, 18-36, 36-75  | 3.3, 5, 12, 15        | ±12, ±15          | --              | 1.6K               | 1 X 1"   | CE |
| AM20CW-NZ  | 9-36, 18-75         | 3.3, 5, 12, 15        | --                | --              | 1.5K               | 1 X 1"   |    |
| AM20CW-Z   | 9-36, 18-75         | 3.3, 5, 12, 15        | ±12, ±15          | --              | 1.6K               | 1 X 1"   | CE |
| AM20CW-NZ  | 9-36, 18-75         | 3.3, 5, 12, 15, 24    | ±5, ±12, ±15, ±24 | --              | 1.5K               | 1 X 1"   | CE |
| AM20E-NZ   | 18-36, 36-75        | 3.3, 5, 12, 15        | ±5, ±9, ±12, ±15  | --              | 1.5k               | 2 X 1"   | CE |
| AM20E-Z    | 9-18, 18-36, 36-75  | 3.3, 5, 12, 15        | ±12, ±15          | --              | 1.6K               | 2 X 1"   | CE |
| AM20EW-Z   | 9-36, 18-75         | 3.3, 5, 12, 15        | ±5, ±12, ±15      | --              | 1.6K               | 2 X 1"   | CE |
| AM20EW-NZ  | 9-36, 18-75, 40-160 | 3.3, 5, 9, 12, 15, 24 | ±5, ±9, ±12, ±15  | --              | 1.5K,<br>2.25k, 3k | 2 X 1"   | CE |
| AM20EW-VZ  | 18-75               | --                    | --                | 5/5, 5/12, 5/24 | 3k                 | 2 X 1"   | -- |
| AM20EWM-NZ | 9-36, 18-75         | --                    | --                | --              | 5K                 | 2 X 1"   | CE |
| AM20JW-Z   | 9-36, 18-75         | 3.3, 5, 12, 15        | ±5, ±12, ±15      | --              | 3K                 | 1.6 X 1" | -- |
| AM20CWR-ZK | 13-70/42-176        | 3.3, 5, 12, 15        | --                | --              | 3K                 | 1 X 1"   | -- |
| AM25EUW-ZK | 16-160              | 5, 12, 15, 24         | --                | --              | 3K                 | 2 X 1"   | -- |

## 30 Watt

|           |                    |                       |              |                                      |          |              |    |
|-----------|--------------------|-----------------------|--------------|--------------------------------------|----------|--------------|----|
| AM30C-Z   | 9-18, 18-36, 36-75 | 3.3, 5, 12, 15        | ±12, ±15     | --                                   | 1.6K     | 1 X 1"       | -- |
| AM30CW-Z  | 9-36, 18-75        | 3.3, 5, 12, 15        | ±12, ±15     | --                                   | 1.6K     | 1 X 1"       | -- |
| AM30E-Z   | 9-18, 18-36, 36-75 | 3.3, 5, 5.1, 12, 15   | ±5, ±12, ±15 | --                                   | 1.6K     | 2 X 1"       | CE |
| AM30EW-Z  | 9-36, 18-75        | 3.3, 5, 5.1, 12, 15   | ±5, ±12, ±15 | 3.3/±12,<br>3.3/±15, 5/±12,<br>5/±15 | 1.6K     | 2 X 1"       | CE |
| AM30EW-NZ | 9-36, 18-75        | 3.3, 5, 9, 12, 15, 24 | --           | --                                   | 1.5K     | 2 X 1"       | -- |
| AM30K-IZ  | 9-18, 18-36, 36-75 | 3.3, 5, 12, 15, 24    | ±5, ±12, ±15 | --                                   | 1.5K, 3K | 2 X 1.6"     | CE |
| AM30K-NZ  | 9-18, 18-36, 36-75 | 3.3, 5, 12, 15, 24    | --           | --                                   | 1.5K     | 2 X 1.6"     | -- |
| AM30K-Z   | 9-18, 18-36, 36-75 | 3.3, 5, 12, 15        | ±12, ±15     | --                                   | 1.5K     | 2 X 1.6"     | CE |
| AM30KW-IZ | 9-36, 18-75        | 3.3, 5, 12, 15, 24    | ±5, ±12, ±15 | --                                   | 1.5K, 3K | 2 X 1.6"     | CE |
| AM30OW-VZ | 18-75              | --                    | --           | 5/24                                 | 3K       | 2.76 x 1.89" | CE |



AM30EW-Z 2"x1"

## 40 Watt

NEW

|           |                    |                    |                         |    |          |        |    |
|-----------|--------------------|--------------------|-------------------------|----|----------|--------|----|
| AM40E-Z   | 9-18, 18-36, 36-75 | 3.3, 5, 12, 15     | $\pm 12, \pm 15$        | -- | 1.6K     | 2 X 1" | CE |
| AM40EW-NZ | 40-160             | 3.3, 5, 12, 15, 24 | --                      | -- | 3K       | 2 X 1" | -- |
| AM40U-IZ  | 9-18, 18-36, 36-75 | 3.3, 5, 12, 15, 24 | $\pm 5, \pm 12, \pm 15$ | -- | 1.5K, 3K | 2 X 2" | CE |
| AM40UW-Z  | 9-36, 18-75        | 3.3, 5, 12, 15     | $\pm 12, \pm 15$        | -- | 1.6K     | 2 X 2" | CE |
| AM40UW-IZ | 9-36, 18-75        | 3.3, 5, 12, 15, 24 | $\pm 5, \pm 12, \pm 15$ | -- | 1.5K, 3K | 2 X 2" | CE |

## 45 Watt

|           |          |    |    |       |       |          |  |
|-----------|----------|----|----|-------|-------|----------|--|
| AM45W-NST | 150-1500 | -- | -- | 15/15 | 4KVAC | Enclosed |  |
|-----------|----------|----|----|-------|-------|----------|--|

## 50 Watt

|           |                    |                    |    |    |      |               |    |
|-----------|--------------------|--------------------|----|----|------|---------------|----|
| AM50E-NZ  | 18-36, 36-75       | 3.3, 5, 12, 15, 24 | -- | -- | 1.5K | 2 X 1"        | -- |
| AM50E-Z   | 9-18, 18-36, 36-75 | 3.3, 5, 12, 15     | -- | -- | 1.6K | 2 X 1"        | -- |
| AM50QB-NZ | 66-160             | 5, 12, 15, 24      | -- | -- | 3K   | Quarter Brick | CE |

## 60 Watt

|          |              |                |    |    |      |        |    |
|----------|--------------|----------------|----|----|------|--------|----|
| AM60EW-Z | 9-36, 18-75  | 5, 12, 15      | -- | -- | 1.6K | 2 X 1" | -- |
| AM60U-Z  | 18-36, 36-75 | 3.3, 5, 12, 15 | -- | -- | 1.6K | 2 X 2" | CE |

## 75 Watt

|           |        |               |    |    |    |               |    |
|-----------|--------|---------------|----|----|----|---------------|----|
| AM75QB-NZ | 66-160 | 5, 12, 15, 24 | -- | -- | 3K | Quarter Brick | CE |
|-----------|--------|---------------|----|----|----|---------------|----|

## 100 Watt

|            |        |            |    |    |    |               |    |
|------------|--------|------------|----|----|----|---------------|----|
| AM100QB-NZ | 66-160 | 12, 15, 24 | -- | -- | 3K | Quarter Brick | -- |
|------------|--------|------------|----|----|----|---------------|----|

## 150 Watt

|            |               |                   |    |    |    |               |    |
|------------|---------------|-------------------|----|----|----|---------------|----|
| AM150HB-NZ | 50-66, 66-160 | 12, 15, 24        | -- | -- | 3K | Half Brick    | -- |
| AM150QB-NZ | 18-75         | 5, 12, 15, 24, 48 | -- | -- | 3k | Quarter Brick | -- |

## 200 Watt

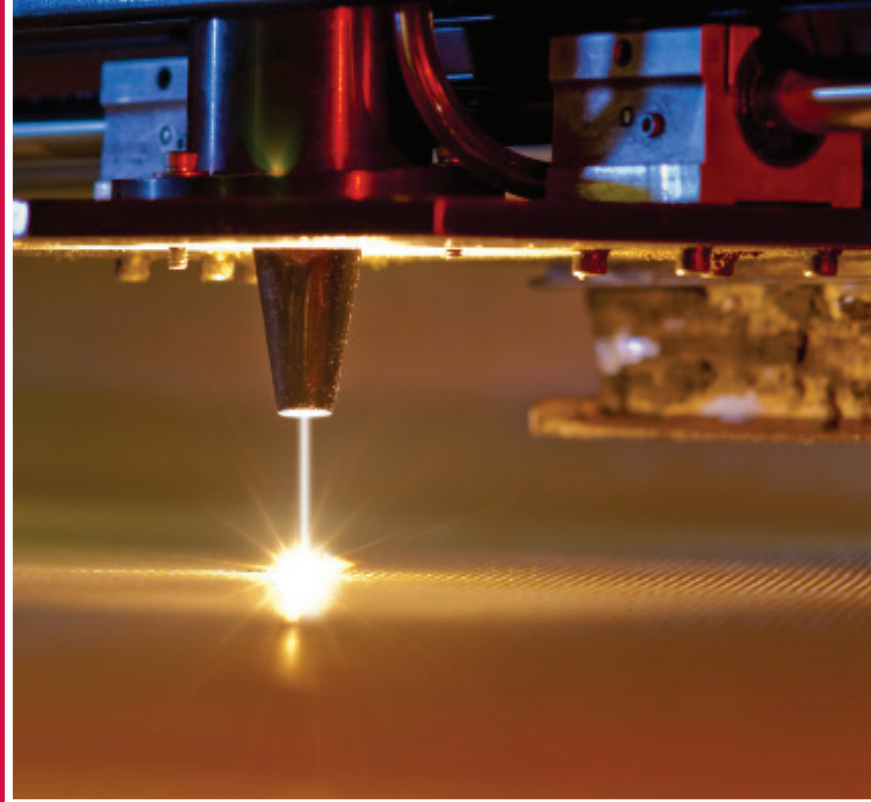
|            |       |                   |    |    |    |               |    |
|------------|-------|-------------------|----|----|----|---------------|----|
| AM200QB-NZ | 18-75 | 5, 12, 15, 24, 48 | -- | -- | 3k | Quarter Brick | -- |
|------------|-------|-------------------|----|----|----|---------------|----|



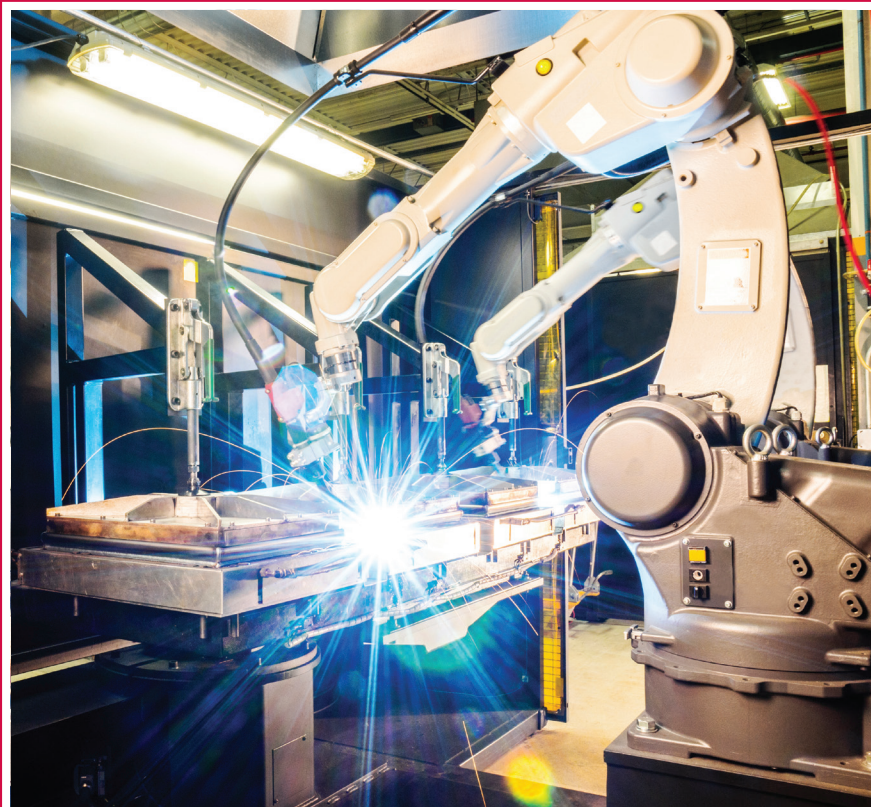
AM45W-NST, 150-1500VDC input  
voltage range ideal for PV applications



AM150HB-NZ, Vibration resistant for  
railroad applications



# Switching Regulators (non-isolated)



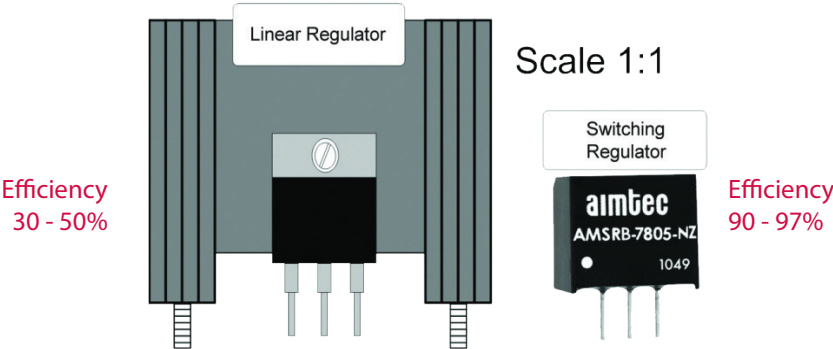
- High Efficiency: up to 97% versus 50% for linear regulators
- NO heat sink required: Saves PCB real-estate
- NO forced air cooling required: Eliminates need for heat sink

Application Markets:

- Fastest growing: green energy initiatives (Energy Star)
- All electronics that have been in production for the last 20 years
- Market segments: transportation, industrial, commercial, consumer products, etc.

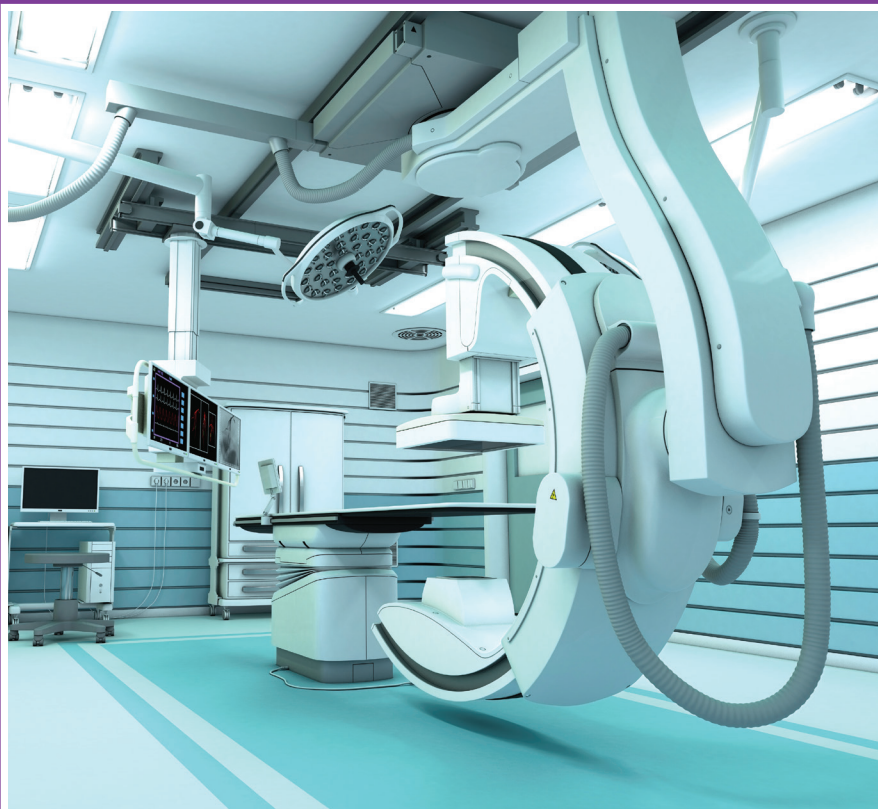
0.75 to 80 Watt Non-Isolated Switching Regulator

| POWER (W)      | SERIES       | INPUT (VDC) | SINGLE OUTPUT (VDC)                        | OUTPUT CURRENT MAX (A) | CASE                         | SAFETY |
|----------------|--------------|-------------|--------------------------------------------|------------------------|------------------------------|--------|
| 0.75 ~ 7.5     | AMSR-78-Z    | 4.75 ~ 34   | 1.5, 1.8, 2.5, 3.3, 5, 6.5, 7.2, 9, 12, 15 | 0.5                    | SIP3                         | CE     |
| 1.65 ~ 7.5     | AMSRB-78-Z   | 4.5 ~ 28    | 3.3, 5, 12, 15                             | 0.5                    | SIP3                         | CE     |
| 5              | AMSRB1-78Z   | 7 ~ 28      | 3.3, 5                                     | 1                      | SIP3                         | --     |
| 1.65 ~ 7.5     | AMSR-78-NZ   | 4.75 ~ 32   | 3.3, 5, 6.5, 9, 12, 15                     | 0.5                    | SIP3                         | --     |
| 1.65 ~ 7.5     | AMSRI-78-NZ  | 4.75 ~ 36   | 3.3, 5, 9, 12, 15                          | 0.5                    | SIP3                         | CE, UL |
| 15             | AMSRI1-78-NZ | 6 ~ 36      | 3.3, 5, 9, 12, 15                          | 1                      | SIP3                         | CE, UL |
| NEW 1.65 ~ 7.5 | AMSRO-78-NZ  | 4.75 ~ 36   | 3.3, 5, 12, 15                             | 0.5                    | SIP3                         | CE, UL |
| NEW 1.65 ~ 7.5 | AMSROL-78NZ  | 4.75 ~ 36   | 3.3, 5, 9, 12, 15                          | 0.5                    | SMD                          | --     |
| 3.3 ~ 15       | AMSRO1-78-NZ | 6 ~ 36      | 3.3, 5, 12, 15                             | 1                      | SIP3                         | CE, UL |
| 1.65 ~ 7.5     | AMSRW-78Z    | 9 ~ 72      | 3.3, 5, 6.5, 7.2, 9, 12, 15                | 0.5                    | SIP3                         | CE     |
| 1.65 ~ 12      | AMSRW-78-NZ  | 9 ~ 72      | 3.3, 5, 6.5, 9, 12, 15, 24                 | 0.5                    | SIP3 (VERTICAL & HORIZONTAL) | --     |
| NEW 3.3 ~ 12   | AMSRI-78-NZ  | 4.75 ~ 32   | 3.3, 5, 6.5, 9, 12                         | 1                      | SIP3 (VERTICAL & HORIZONTAL) | --     |
| NEW 1.2 ~ 15   | AMSRI-Z      | 1.2 ~ 15    | 1.2, 1.5, 1.8, 2.5, 3.3, 5, 6.5, 12, 15    | 1                      | SIP3                         | CE     |
| NEW 2.4 ~ 30   | MASR2-Z      | 3 ~ 36      | 1.2, 1.5, 1.8, 2.5, 3.3, 5, 6.5, 12, 15    | 2                      | SIP3                         | CE     |
| 1.5 ~ 5        | AMSRI-78Z    | 4.75 ~ 18   | 1.5, 1.8, 2.5, 3.3, 5                      | 1                      | SIP3                         | CE     |
| NEW 1.2 ~ 15   | AMSRL-Z      | 9~72        | 3.3,5,6.5,7.2,9,12, 15                     | 0.5                    | SMD                          | CE     |
| NEW 1.2 ~ 15   | AMSRL1-Z     | 3 ~ 36      | 1.2, 1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15 | 1                      | SMD                          | CE     |
| 1.5 ~ 12       | AMSRL1-78JZ  | 4.75 ~ 36   | 1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12          | 1                      | SMD                          | --     |
| 5 ~ 13         | AMSR2-78-NZ  | 4.75 ~ 18   | 2.5, 3.3, 5, 6.5                           | 2                      | SIP3 (VERTICAL & HORIZONTAL) | --     |
| NEW 6.6 ~ 30   | AMSR2-78JZ   | 6 ~ 36      | 3.3,5,9,12,15                              | 2                      | SIP3                         | CE     |
| NEW 4.5 ~ 30   | AMSRL6-NZ    | 8 ~ 14      | 0.75-5                                     | 6                      | SMD                          | --     |
| NEW 7.5 ~ 50   | AMSRL10-NZ   | 8 ~ 14      | 0.75-5                                     | 10                     | SMD                          | --     |
| NEW 12 ~ 80    | AMSRL16-NZ   | 8 ~ 14      | 0.75-5                                     | 16                     | SMD                          | --     |





# AC/DC Converters (isolated)



The AME10/20-BJZ AC/DC series are two new high-power converters that boast an ultra-wide 90-528VAC input voltage range.



AME10/20-BJZ Series work great for 3 phase applications.

Wide operating temperatures: -40 °C to 85 °C

High power density: 5 Watt, 10 Watt and 20 Watt with the same small footprint

Low EMI: suitable for very sensitive telecom applications

High I/O Isolation: up to 4000VAC



AMES-30-MAZ  
Enclosed with  
screw terminals



AMEOS40-MAZ  
Open frame with  
screw terminals



AMEC15-MAZ  
Enclosed with  
connector package

## 85-264VAC input voltage

| SERIES                  | POWER (W) | SINGLE OUTPUT (VDC)           | DUAL OUTPUT (VDC) | DUAL ASYMMETRICAL OUTPUT (VDC) | TRIPPLE OUTPUT (VDC)      | ISOLATION (VAC) | CASE (MM)           | OPERATING TEMPERATURE (°C) | SAFETY |
|-------------------------|-----------|-------------------------------|-------------------|--------------------------------|---------------------------|-----------------|---------------------|----------------------------|--------|
| Open Frame, PCB Mount   |           |                               |                   |                                |                           |                 |                     |                            |        |
| AMEOF1-JZ               | 1         | 5, 9, 12, 15, 24              | --                | --                             | --                        | 3000            | SIP 12              | -40 to +85                 | CE     |
| AMEOF3-JZ               | 3         | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 3000            | SIP 12              | -40 to +85                 | CE     |
| AMEOF5-JZ               | 5         | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 3000            | SIP 14              | -25 to +85                 | CE     |
| AMEOF45-JZ              | 45        | 3.3, 5, 9, 12, 15, 24, 48     | --                | --                             | --                        | 3000            | Open frame          | -25 to +70                 | CE     |
| Encapsulated, PCB Mount |           |                               |                   |                                |                           |                 |                     |                            |        |
| AME3-CJZ                | 3         | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 3000            | 37 x 24.5 x 18      | -25 to +70                 | CE     |
| AME3-HAVZ               | 3         | 5, 12, 24                     | --                | --                             | --                        | 4000            | 32.3 x 27.3 x 21.8  | -25 to +70                 | CE     |
| AMEL3-VZ-(W)            | 3         | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 37 x 24.5 x 18      | -40 to +70                 | CE     |
| AMEM5-Y                 | 5         | 3.3, 5, 9, 12, 15, 24, 26, 48 | --                | --                             | --                        | 4000            | 25.4 x 25.4 x 15.2  | -25 to +70                 | CE     |
| AMEL5-CJZ               | 5         | 3.3, 5, 12, 15, 24            | --                | --                             | --                        | 4000            | 50.8 x 25.4 x 15.2  | -25 to +70                 | CE     |
| AMEL5-VZ-(W)            | 5         | 3.3, 5, 12, 15, 24            | --                | --                             | --                        | 4000            | 37 x 24.5 x 18      | -40 to +70                 | CE     |
| AME5-CJZ                | 5         | 3.3, 5, 9, 12, 15, 24         | ±5, ±12, ±15, ±24 | 5/5, 5/12, 5/15, 5/24          | 5/±5, 5/±12, 5/±15, 5/±24 | 3000            | 48.5 x 36 x 20.5    | -25 to +70                 | CE     |
| AME5-VZ                 | 5         | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 48.5 x 36 x 20.5    | -40 to +85                 | CE     |
| AMEL6-VZ                | 6         | 3.3, 5, 12, 15, 24            | --                | --                             | --                        | 4000            | 50.8 x 25.4 x 15.36 | -40 to +70                 | CE     |
| AME10-CJZ               | 10        | 3.3, 5, 9, 12, 15, 24         | ±5, ±12, ±15, ±24 | 5/5, 5/12, 5/15, 5/24          | 5/±12, 5/±15              | 3000            | 55 x 45 x 21        | -25 to +70                 | CE, UL |
| AMEL10-JZ               | 10        | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 53.80 x 28.8 x 19   | -25 to +70                 | CE     |
| AME10-VZ                | 10        | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 55 x 45 x 21        | -40 to +85                 | CE     |
| AMEL12-CJZ              | 12        | 3.3, 5, 12, 15, 24            | --                | --                             | --                        | 4000            | 53.8 x 28.8 x 23.5  | -25 to +70                 | CE     |
| AME15-CJZ               | 15        | 3.3, 5, 9, 12, 15, 24         | ±5, ±12, ±15, ±24 | 5/5, 5/12, 5/15, 5/24          | 5/±5, 5/±12, 5/±15, 5/±24 | 3000            | 62 x 45 x 22.5      | -25 to +70                 | CE, UL |
| AMEL15-JZ               | 15        | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 53.8 x 28.8 x 23.5  | -25 to +70                 | CE     |
| AME15-VZ                | 15        | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 62 x 45 x 22.5      | -40 to +85                 | CE     |
| AMEL20-JZ               | 20        | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 53.8 x 28.8 x 23.5  | -40 to +70                 | CE     |
| AME20-CJZ               | 20        | 5, 9, 12, 15, 24              | ±5, ±12, ±15      | 5/12, 5/15, 5/24               | 5/±5, 5/±12, 5/±15, 5/±24 | 3000            | 70 x 48 x 23.       | -40 to +70                 | CE, UL |
| AME20-VZ                | 20        | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 62 x 45 x 22.5      | -40 to +85                 | CE     |
| AME25-CJZ               | 25        | 3.3, 5, 9, 12, 15, 24, 48     | --                | --                             | --                        | 3000            | 70 x 48 x 23.5      | -25 to +70                 | CE, UL |
| AME25-VZ                | 25        | 3.3, 5, 9, 12, 15, 24         | --                | --                             | --                        | 4000            | 62 x 45 x 22.5      | -40 to +85                 | CE     |
| AMED30-NZ               | 30        | 5, 12, 15, 24, 48             | --                | --                             | --                        | 4000            | 92.7 x 35 x 58      | -40 to +70                 | --     |
| AME40-CJZ               | 40        | 3.3, 5, 9, 12, 15, 24         | ±5, ±12, ±15      | 5/12, 5/24                     | --                        | 3000            | 89 x 63.5 x 25      | -40 to +70                 | CE, UL |
| AME40-VZ                | 40        | 3.3, 5, 9, 12, 15, 24, 48     | --                | --                             | --                        | 4000            | 89 x 63.5 x 25      | -40 to +70                 | CE     |
| AME60-VZ                | 60        | 3.3, 5, 9, 12, 15, 24, 48     | --                | --                             | --                        | 4000            | 109 x 58.5 x 30     | -40 to +70                 | CE     |
| AMEOF45-JZ              | 45        | 3.3, 5, 9, 12, 15, 24, 48     | --                | --                             | --                        | 3000            | 76.2 x 50.8 x 30    | -25 to +70                 | --     |
| AMEL45-JZ               | 45        | 5, 12, 15, 24, 48             | --                | --                             | --                        | 4000            | 87 x 52 x 29.5      | -40 to +70                 | CE     |
| AMED60-NZ               | 60        | 5, 12, 15, 24, 48             | --                | --                             | --                        | 4000            | 92.7 x 70 x 58      | -40 to +70                 | --     |
| AMEL60-JZ               | 60        | 5, 12, 15, 24, 48             | --                | --                             | --                        | 4000            | 87 x 52 x 29.5      | -40 to +70                 | CE     |
| AMEOF65-JZ              | 65        | 5, 9, 12, 15, 24, 48          | --                | --                             | --                        | 3000            | 76.2 x 50.8 x 30    | -25 to +70                 | --     |
| AMED100-NZ              | 100       | 12, 15, 24, 48                | --                | --                             | --                        | 4000            | 92.7 x 70 x 58      | -40 to +70                 | --     |

## 85-264VAC Input Voltage (con't)

| SERIES                      | POWER (W) | SINGLE OUTPUT (VDC)   | DUAL OUTPUT (VDC) | DUAL ASYM-METRICAL OUTPUT(VDC) | TRIPPLE OUT-PUT (VDC)     | ISOLATION (VAC) | CASE (MM)        | OPERATING TEMPERA-TURE (°C) | SAFETY |
|-----------------------------|-----------|-----------------------|-------------------|--------------------------------|---------------------------|-----------------|------------------|-----------------------------|--------|
| Encapsulated, Chassis Mount |           |                       |                   |                                |                           |                 |                  |                             |        |
| AMEL5-CJZ-ST                | 5         | 3.3, 5, 12, 15, 24    | --                | --                             | --                        | 4000            | 76 x 31.5 x 24   | -25 to +70                  | CE     |
| AME5-CJZ-ST                 | 5         | 3.3, 5, 9, 12, 15, 24 | ±5, ±12, ±15, ±24 | 5/5, 5/12, 5/15, 5/24          | 5/±5, 5/±12, 5/±15, 5/±24 | 3000            | 96.1 x 54 x 29   | -25 to +70                  | CE     |
| AME10-CJZ-ST                | 10        | 3.3, 5, 9, 12, 15, 24 | ±5, ±12, ±15, ±24 | 5/5, 5/12, 5/15, 5/24          | 5/±12, 5/±15              | 3000            | 96.1 x 54 x 29.5 | -25 to +70                  | CE, UL |
| AMEL12-CJZ-ST               | 12        | 3.3, 5, 12, 15, 24    | --                | --                             | --                        | 4000            | 76 x 31.5 x 32.3 | -25 to +70                  | CE     |
| AME15-CJZ-ST                | 15        | 3.3, 5, 9, 12, 15, 24 | ±5, ±12, ±15, ±24 | 5/5, 5/12, 5/15, 5/24          | 5/±5, 5/±12, 5/±15, 5/±24 | 3000            | 96.1 x 54 x 31   | -25 to +70                  | CE, UL |
| AME20-CJZ-ST                | 20        | 5, 9, 12, 15, 24      | ±5, ±12, ±15      | 5/12, 5/15, 5/24               | 5/±5, 5/±12, 5/±15, 5/±24 | 3000            | 96.1 x 54 x 32   | -40 to +70                  | CE, UL |
| AME40-CJZ-ST                | 40        | 3.3, 5, 9, 12, 15, 24 | ±5, ±12, ±15      | 5/12, 5/24                     | --                        | 3000            | 135 x 70 x 33.5  | -40 to +70                  | CE, UL |
| AME60-MJZ-ST                | 60        | 5, 9, 12, 15, 24, 48  | --                | --                             | --                        | 4000            | 135 x 70 x 38.5  | -40 to +70                  | CE, UL |

## 85-305VAC Input Voltage

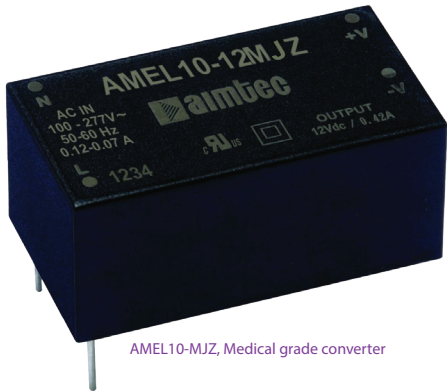
| SERIES                  | POWER (W) | SINGLE OUTPUT (VDC)       | ISOLATION (VAC) | CASE (MM)          | OPERATING TEMPERATURE (°C) | SAFETY |
|-------------------------|-----------|---------------------------|-----------------|--------------------|----------------------------|--------|
| Encapsulated, PCB Mount |           |                           |                 |                    |                            |        |
| AME1-JZ                 | 1         | 3.3, 5, 9, 12, 15, 24     | 3000            | 33.7 x 22.2 x 18   | -25 to +70                 | CE     |
| AME1-AZ                 | 1         | 3.3, 5, 12, 15, 24        | 3000            | 35.6 x 23.3 x 19.3 | -40 to +80                 | CE, UL |
| AME2-JZ                 | 2         | 3.3, 5, 9, 12, 15, 24     | 3000            | 33.7 x 22.2 x 18   | -25 to +70                 | CE     |
| AME2-AZ                 | 2         | 3.3, 5, 12, 15, 24        | 3000            | 35.6 x 23.3 x 19.3 | -40 to +80                 | CE, UL |
| NEW AMEL2-277NZ         | 2         | 3.3, 5, 9, 12, 15, 24     | 4000            | 33.7 x 22.2 x 18   | -40 to +70                 | --     |
| AME3-AZ                 | 3         | 3.3, 5, 12, 15, 24        | 3000            | 35.6 x 23.3 x 19.3 | -40 to +80                 | CE, UL |
| AMEL5-JZ                | 5         | 3.3, 5, 9, 12, 15, 24     | 4000            | 50.8 x 25.4 x 15.2 | -25 to +70                 | CE     |
| AMEL5-AZ                | 5         | 3.3, 5, 12, 15, 24        | 3000            | 51.5 x 28.3 x 17.8 | -40 to +95                 | CE, UL |
| AME5-JZ                 | 5         | 3.3, 5, 9, 12, 15, 24     | 3000            | 55 x 45 x 21       | -40 to +70                 | CE     |
| NEW AMEL5-277NZ         | 5         | 3.3, 5, 9, 12, 15, 24     | 4000            | 2 x 1 x 0.6        | -40 to +70                 | --     |
| NEW AMEOF5-277NZ        | 5         | 3.3, 5, 9, 12, 15, 24     | 3000            | 35 x 18 x 11       | -40 to +85                 | --     |
| NEW AMEOF8-277NZ        | 8         | 3.3, 5, 9, 12, 15, 24     | 3000            | 44.5 x 24 x 15     | -40 to +85                 | --     |
| AME10-JZ                | 10        | 3.3, 5, 9, 12, 15, 24     | 3000            | 56 x 45 x 21       | -40 to +70                 | CE, UL |
| AMEL10-AZ               | 10        | 3.3, 5, 12, 15, 24        | 3000            | 56.5 x 30.9 x 25.1 | -40 to +80                 | CE, UL |
| NEW AME10-277VZ         | 10        | 3.3, 5, 9, 12, 15, 24     | 4000            | 55 x 45 x 21       | -40 to +85                 | CE     |
| NEW AMEL10-277NZ        | 10        | 3.3, 5, 9, 12, 15, 24     | 4000            | 53.8 x 28.8 x 19   | -40 to +70                 | CE     |
| AMEOF10-277NZ           | 10        | 3.3, 5, 9, 12, 15, 24     | 3000            | 44.5 x 24 x 15     | -40 to +85                 | --     |
| AME15-JZ                | 15        | 3.3, 5, 9, 12, 15, 24, 48 | 3000            | 62 x 45 x 22.5     | -40 to +70                 | CE, UL |
| AME15-277VZ             | 15        | 3.3, 5, 9, 12, 15, 24, 48 | 4000            | 62 x 45 x 22.5     | -40 to +85                 | CE     |
| AMEL20-AZ               | 20        | 3.3, 5, 12, 15, 24        | 3000            | 56.5 x 30.8 x 25.1 | -40 to +80                 | CE, UL |
| AME20-JZ                | 20        | 3.3, 5, 9, 12, 15, 24     | 3000            | 70 x 48 x 23.5     | -40 to +70                 | CE, UL |
| AME25-JZ                | 25        | 3.3, 5, 9, 12, 15, 24, 48 | 3000            | 71 x 48 x 23.5     | -40 to +70                 | CE, UL |
| NEW AME25-277VZ         | 25        | 3.3, 5, 9, 12, 15, 24, 48 | 4000            | 70 x 48 x 23.5     | -40 to +85                 | CE     |
| NEW AME40-277VZ         | 40        | 3.3, 5, 12, 15, 24, 48    | 4000            | 89 x 63.5 x 25     | -40 to +70                 | CE     |
| NEW AME60-277VZ         | 60        | 5, 12, 15, 24, 48         | 4000            | 109 x 58.5 x 30    | -40 to +70                 | CE     |

90-528VAC Input Voltage

| SERIES                  | POWER (W) | SINGLE OUTPUT (VDC)   | DUAL ASYM-METRICAL | ISOLATION (VAC) | CASE (MM)              | OPERATING TEM-PERATURE (°C) | SAFETY |
|-------------------------|-----------|-----------------------|--------------------|-----------------|------------------------|-----------------------------|--------|
| Encapsulated, PCB Mount |           |                       |                    |                 |                        |                             |        |
| AME1-BAZ                | 1         | 3.3, 5, 12, 15, 24    | --                 | 3000            | 35.6 x 23.3 x 19.3     | -40 to +80                  | CE, UL |
| AME2-BAZ                | 2         | 3.3, 5, 12, 15, 24    | --                 | 3000            | 35.6 x 23.3 x 19.3     | -40 to +70                  | CE, UL |
| AME3-BAZ                | 3         | 3.3, 5, 12, 15, 24    | --                 | 3000            | 35.6 x 23.3 x 19.3     | -40 to +60                  | CE, UL |
| AME3-BJZ                | 3         | 3.3, 5, 9, 12, 15, 24 | --                 | 3000            | 50.8 x 25.4 x 15.2     | -40 to +70                  | --     |
| AME10-BJZ               | 10        | 3.3, 5, 9, 12, 15, 24 | --                 | 4000            | 62 x 45 x 30           | -40 to +70                  | CE     |
| AME20-BJZ               | 20        | 3.3, 5, 9, 12, 15, 24 | --                 | 4000            | 70 x 48 x 30           | -40 to +70                  | CE     |
| Open Frame, PCB Mount   |           |                       |                    |                 |                        |                             |        |
| AMEOF3-BJZ              | 3         | 3.3, 5, 9, 12, 15, 24 | --                 | 4000            | SIP16 (44.5 x 24 x 13) | -40 to +85                  | --     |
| AMEOF5-BJZ              | 5         | 3.3, 5, 9, 12, 15, 24 | --                 | 4000            | SIP16 (44.5 x 24 x 13) | -40 to +85                  | --     |

AC/DC Converters for Medical Applications

| SERIES                                                                        | POWER (W) | SINGLE OUTPUT (VDC)   | DUAL OUTPUT (VDC) | DUAL ASYMMETRICAL (VDC) | CASE (MM)        | OPERATING TEMPERATURE (°C) | SAFETY            |
|-------------------------------------------------------------------------------|-----------|-----------------------|-------------------|-------------------------|------------------|----------------------------|-------------------|
| Encapsulated, PCB mount, 2 x MOPP, Input 85-264VAC, I/O Isolation 4000VAC     |           |                       |                   |                         |                  |                            |                   |
| AMEL5-MJZ                                                                     | 5         | 5, 12, 15, 24         | --                | --                      | 53.8 x 28.8 x 19 | -25 to +70                 | IEC\EN\UL 60601-1 |
| AMEL10-MJZ                                                                    | 10        | 3.3, 5, 9, 12, 15, 24 | --                | --                      | 53.8 x 28.8 x 19 | -25 to +70                 | IEC\EN\UL 60601-1 |
| AME15-MJZ                                                                     | 15        | 5, 12, 15, 18, 24     | --                | --                      | 62 x 45 x 22.5   | -40 to +70                 | IEC\EN\UL 60601-1 |
| AME25-MJZ                                                                     | 25        | 5, 12, 15, 18, 24     | --                | --                      | 70 x 48 x 23.5   | -40 to +70                 | IEC\EN\UL 60601-1 |
| Encapsulated, Chassis Mount, 2 x MOPP, Input 85-264VAC, I/O Isolation 4000VAC |           |                       |                   |                         |                  |                            |                   |
| AMEL10-MJZ-ST                                                                 | 10        | 3.3, 5, 9, 12, 15, 24 | --                | --                      | 76 x 31.5 x 27.8 | -25 to +70                 | IEC\EN\UL 60601-1 |
| AME25-MJZ-ST                                                                  | 25        | 5, 12, 15, 18, 24     | --                | --                      | 96.1 x 54 x 32   | -40 to +70                 | IEC\EN\UL 60601-1 |



AMEL10-MJZ, Medical grade converter



AME3-BAZ, 90-528VAC Input

## AC/DC Converters for Medical Applications (Con't)

| SERIES                                                                        | POWER (W) | SINGLE OUTPUT (VDC) | DUAL OUTPUT (VDC) | DUAL ASYMMETRICAL (VDC)                                                                                                            | CASE (MM)          | OPERATING TEMPERATURE (°C) | SAFETY            |
|-------------------------------------------------------------------------------|-----------|---------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------------|
| Encapsulated, Chassis Mount, 2 x MOOP, Input 90-264VAC, I/O Isolation 4000VAC |           |                     |                   |                                                                                                                                    |                    |                            |                   |
| AMEL5-MAZ                                                                     | 5         | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15      | --                                                                                                                                 | 51.5 x 28 x 17.8   | -40 to +80                 | IEC\EN\UL 60601-1 |
| AMEL10-MAZ                                                                    | 10        | 3.3, 5, 12, 15, 24  | -                 | 3.3/5, 3.3/12, 3.3/15, 3.3/24, 5/12, 5/15, 5/24, 12/15, 12/24, 15/24, -3.3/5, -3.3/12, -3.3/15, -5/5, -5/12, -5/15, -12/12, -12/15 | 56.5 x 30.9 x 25.1 | -40 to +70                 | IEC\EN\UL 60601-1 |
| AME15-MAZ                                                                     | 15        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15      | --                                                                                                                                 | 65 x 46.5 x 20.1   | -40 to +85                 | IEC\EN\UL 60601-1 |
| AMEL20-MAZ                                                                    | 20        | 3.3, 5, 12, 15, 24  |                   | 3.3/5, 3.3/12, 3.3/15, 3.3/24, 5/12, 5/15, 5/24, 12/15, 12/24, 15/24, -3.3/5, -3.3/12, -3.3/15, -5/5, -5/12, -5/15, -12/12, -12/15 | 56.5 x 30.9 x 25.1 | -40 to +70                 | IEC\EN\UL 60601-1 |
| AME30-MAZ                                                                     | 30        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | --                                                                                                                                 | 90.5 x 63 x 30     | -40 to +85                 | IEC\EN\UL 60601-1 |
| AME40-MAZ                                                                     | 40        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | --                                                                                                                                 | 90.5 x 63 x 30     | -40 to +85                 | IEC\EN\UL 60601-1 |
| Encapsulated, Chassis Mount, 2 x MOOP, Input 90-264VAC, I/O Isolation 4000VAC |           |                     |                   |                                                                                                                                    |                    |                            |                   |
| AMEL5-MAZ-ST                                                                  | 5         | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15      | --                                                                                                                                 | 86 x 38 x 23.8     | -40 to +80                 | IEC\EN\UL 60601-1 |
| AMEL10-MAZ-ST                                                                 | 10        | 3.3, 5, 12, 15, 24  | --                | 3.3/5, 3.3/12, 3.3/15, 3.3/24, 5/12, 5/15, 5/24, 12/15, 12/24, 15/24, -3.3/5, -3.3/12, -3.3/15, -5/5, -5/12, -5/15, -12/12, -12/15 | 86 x 38 x 31.1     | -40 to +70                 | IEC\EN\UL 60601-1 |
| AMEL20-MAZ-ST                                                                 | 20        | 3.3, 5, 12, 15, 24  | --                | 3.3/5, 3.3/12, 3.3/15, 3.3/24, 5/12, 5/15, 5/24, 12/15, 12/24, 15/24, -3.3/5, -3.3/12, -3.3/15, -5/5, -5/12, -5/15, -12/12, -12/15 | 86 x 38 x 31.1     | -40 to +70                 | IEC\EN\UL 60601-1 |

## Non-Isolated AC/DC Converters

| SERIES      | POWER (W) | INPUT VOLTAGE VAC | OUTPUT (VDC) | DUAL ASYMMETRICAL (VDC) | CASE (MM)           | OPERATING TEMPERATURE (°C) | SAFETY |
|-------------|-----------|-------------------|--------------|-------------------------|---------------------|----------------------------|--------|
| AMESR-277NZ | 1 ~ 3     | 85-305            | 5, 12        | --                      | 25.21 x 17.43 x 9.5 | -40 to +85                 | --     |



AC/DC CONVERTERS FOR MEDICAL APPLICATIONS (CON'T)

| SERIES                                                                                                             | POWER (W) | SINGLE OUTPUT (VDC) | DUAL OUTPUT (VDC) | CASE (MM)     | OPERATING TEMPERATURE (°C) | SAFETY                |
|--------------------------------------------------------------------------------------------------------------------|-----------|---------------------|-------------------|---------------|----------------------------|-----------------------|
| Enclosed, Chassis Mount, 2 x MOOP, input 90-264VAC, I/O Isolation 4000VAC with Connector on Input & Output         |           |                     |                   |               |                            |                       |
| AMEC15-MAZ                                                                                                         | 15        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15      | 92 x 65 x 24  | -40 to +80                 | CE, IEC\EN\UL 60601-1 |
| AMEC30-MAZ                                                                                                         | 30        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 65 x 35 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |
| AMEC40-MAZ                                                                                                         | 40        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 65 x 35 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |
| Enclosed, Chassis Mount, 2 x MOOP, Input 90-264VAC, I/O Isolation 4000VAC with Screw Terminals on Input & Output   |           |                     |                   |               |                            |                       |
| AMES15-MAZ                                                                                                         | 15        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15      | 92 x 65 x 24  | -40 to +80                 | CE, IEC\EN\UL 60601-1 |
| AMES30-MAZ                                                                                                         | 30        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 65 x 35 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |
| AMES40-MAZ                                                                                                         | 40        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 65 x 35 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |
| Open Frame, Chassis Mount, 2 x MOOP, Input 90-264VAC, I/O Isolation 4000VAC with Connector on Input & Output       |           |                     |                   |               |                            |                       |
| AMEOC30-MAZ                                                                                                        | 30        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 59 x 26 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |
| AMEOC40-MAZ                                                                                                        | 40        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 59 x 26 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |
| Open Frame, Chassis Mount, 2 x MOOP, Input 90-264VAC, I/O Isolation 4000VAC with Screw Terminals on Input & Output |           |                     |                   |               |                            |                       |
| AMEOS30-MAZ                                                                                                        | 30        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 59 x 26 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |
| AMEOS40-MAZ                                                                                                        | 40        | 3.3, 5, 12, 15, 24  | ±5, ±12, ±15, ±24 | 125 x 59 x 26 | -40 to +85                 | CE, IEC\EN\UL 60601-1 |



AMEOS30-5SMAZ



AMEC15-MAZ  
Enclosed with  
connector package



The new AM20CWR-ZK is our brand new 1 x 1" railway converter with a built in heatsink. This converter comes standard with an ultra-wide input voltage range and an on/off control.



Aimtec's AM3A-Z is the first ever 3W, SIP6 dual output DC/DC converter. With a 4:1 Ultra-wide input voltage range and isolation of 1600VDC, this is the smallest 3W converter ever designed by Aimtec!



The AME40/60-VZ are our new higher power AC/DC converters that offer great cost effectiveness! With a 4000VAC isolation and multiple safety features, these models will greatly benefit your new system design.



The AMSR2-78JZ is our new cost effective 2A switching regulator. With an efficiency up to 95%, short circuit protection and being designed to meet IEC 62368-1 standard, this product is perfect for instrumentation and IoT applications.



# LED Drivers



## Another ground-breaking innovation from Aimtec: AC/DC LED drivers that operate at a bone-chilling -55 °C

Indoor and outdoor applications, all weather conditions

Drive a single LED or multiple strings of LEDs

Constant current and constant voltage

Step up and step down converters

Three dimming models and low flicker options

Power factor correction (PFC)

Available with IP67/IP68 submersible ratings



AMLDP-Z DIP8



AMLDV-NZ SMD



AMEPR8D-1840AZ

### DC/DC LED Drivers Constant Current (non-isolated)

| SERIES   | INPUT (VDC) | OUTPUT CURRENT (mA)                                                                     | OUTPUT VOLTAGE RANGE (VDC) | EFFICIENCY (%) | CASE           | DIMMING TYPE | SAFETY |
|----------|-------------|-----------------------------------------------------------------------------------------|----------------------------|----------------|----------------|--------------|--------|
| AMLB-Z   | 9-36        | 150, 250, 300, 350, 500, 600, 700, 900                                                  | 14-48                      | 90-94          | 2 X 1"         | PWM & Analog | CE     |
| AMLBW-Z  | 9-36        | 150, 250, 300, 350, 500, 600, 700, 900                                                  | 14-48                      | 90-94          | WIRED 2 X 1"   | PWM & Analog | CE     |
| AMLD-IZ  | 5-36        | 300, 350, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1800, 2000 | 2-32                       | 95-96          | DIP24 & 2 X 1" | PWM & Analog | CE     |
| AMLDV-NZ | 5.5-48      | 300, 350, 500, 600, 700                                                                 | 3.3-36                     | 96             | SMD            | PWM & Analog | --     |
| AMLD-Z   | 7-60        | 150, 250, 300, 350, 500, 600, 700, 1000                                                 | 2-57                       | 97             | DIP24          | PWM & Analog | CE     |
| AMLD-RZ  | 9-60        | 300, 350, 500, 600, 700, 1000                                                           | 2-56                       | 97             | DIP24          | PWM & Analog | CE     |
| AMLDW-RZ | 9-60        | 300, 350, 500, 600, 700, 1000                                                           | 2-56                       | 97             | WIRED DIP24    | PWM          | CE     |
| AMLDP-Z  | 7-16        | 300, 350, 500, 600, 700, 1000                                                           | 2-14                       | 93             | DIP8           | PWM & Analog | CE     |
| AMLDL-RZ | 7-30        | 500, 600, 700                                                                           | 2-28                       | 95             | DIP14          | PWM & Analog | CE     |
| AMLDL-Z  | 7-30        | 300, 350, 500, 600, 700, 1000                                                           | 2-28                       | 95             | DIP16          | PWM & Analog | CE     |
| AMLDLW-Z | 7-30        | 350, 500, 700, 1000                                                                     | 2-28                       | 95             | WIRED DIP16    | PWM & Analog | CE     |

# AC/DC LED Drivers



## 5 Watt



AMEPR5-AZ IP67

| SERIES    | INPUT (VAC/Hz) | INPUT (VDC) | OUTPUTCURRENT (A)       | OUTPUT VOLTAGE RANGE (VDC) | ISOLATION (VAC) | EFFICIENCY (%) | DIMMING TYPE | CASE             | SAFETY |
|-----------|----------------|-------------|-------------------------|----------------------------|-----------------|----------------|--------------|------------------|--------|
| AMEPR5-AZ | 90-264/47-440  | 130-370     | 0.3, 0.35, 0.36, 0.7, 1 | 8-16, 6-14, 5-12, 2-6, 3-5 | 3K              | 72-79          | --           | IP67, 1.14 x Ø1" | CE, UL |

## 8 Watt

|            |               |    |               |                   |    |       |       |                  |    |
|------------|---------------|----|---------------|-------------------|----|-------|-------|------------------|----|
| AMEPR8D-AZ | 90-264/47-440 | -- | 0.3, 0.4, 0.7 | 12-24, 9-18, 6-12 | 3K | 74-76 | TRIAC | IP67, 2.76 x Ø1" | -- |
|------------|---------------|----|---------------|-------------------|----|-------|-------|------------------|----|

## 10 Watt

|             |               |    |                                 |                                        |       |       |       |                          |        |
|-------------|---------------|----|---------------------------------|----------------------------------------|-------|-------|-------|--------------------------|--------|
| AMEPR10D-AZ | 90-264/47-440 | -- | 0.2, 0.25, 0.3, 0.35, 0.64, 0.7 | 36-50, 30-40, 24-36, 15-30, 8-15, 5-12 | 3K    | 76-81 | TRIAC | IP67, 5.3 x 1.3 x 1.2"   | CE, UL |
| AMEPR10-Z   | 90-264/47-63  | -- | 0.24, 0.29                      | 18-26, 23-33, 30-42                    | 3.75k | 83-86 | --    | IP20, 3.46 x 1.54 x 0.91 | CE     |



AMEPR10-Z, IP20

## 15 Watt

|             |               |    |                        |                                  |    |       |       |                        |        |
|-------------|---------------|----|------------------------|----------------------------------|----|-------|-------|------------------------|--------|
| AMEPR15D-AZ | 90-264/47-440 | -- | 0.3, 0.35, 0.5, 0.7, 1 | 36-50, 30-48, 24-36, 12-24, 8-15 | 3K | 79-82 | TRIAC | IP67, 5.3 x 1.3 x 1.2" | CE, UL |
|-------------|---------------|----|------------------------|----------------------------------|----|-------|-------|------------------------|--------|

## 16 Watt

|           |              |    |            |                     |    |       |    |                   |    |
|-----------|--------------|----|------------|---------------------|----|-------|----|-------------------|----|
| AMEPR16-Z | 90-264/47-63 | -- | 0.29, 0.36 | 24-42, 30-42, 40-58 | -- | 87-88 | -- | IP20, 3.68 x 1.76 | CE |
|-----------|--------------|----|------------|---------------------|----|-------|----|-------------------|----|

## 20 Watt



|           |              |    |     |       |       |    |    |                    |    |
|-----------|--------------|----|-----|-------|-------|----|----|--------------------|----|
| AMEPR20-Z | 90-305/47-63 | -- | 0.5 | 24-42 | 3.75K | 88 | -- | IP20, 3.68 x 1.76" | CE |
|-----------|--------------|----|-----|-------|-------|----|----|--------------------|----|

## 25 Watt

|             |               |    |   |      |    |       |       |                        |    |
|-------------|---------------|----|---|------|----|-------|-------|------------------------|----|
| AMEPR25D-AZ | 90-264/47-440 | -- | 1 | 9-24 | 3K | 80-83 | TRIAC | IP67, 5.3 x 1.3 x 1.2" | -- |
|-------------|---------------|----|---|------|----|-------|-------|------------------------|----|



AMEPR30D-AZ IP67, IP20



AMEPR16-Z, IP20

## 30 Watt

| SERIES      | INPUT<br>(VAC/Hz) | INPUT<br>(VDC) | OUTPUT<br>CURRENT<br>(A)  | OUTPUT<br>VOLTAGE<br>RANGE (VDC)       | ISOLA-<br>TION<br>(VAC) | EFFICIENCY<br>(%) | DIMMING TYPE                    | CASE                      | SAFETY |
|-------------|-------------------|----------------|---------------------------|----------------------------------------|-------------------------|-------------------|---------------------------------|---------------------------|--------|
| AMEPR30D-AZ | 90-264/47-440     | --             | 0.7, 1, 1.25,<br>1.4, 2   | 36-50, 32-42,<br>24-36, 12-24,<br>8-15 | 3K                      | 80-87             | TRIAC                           | IP67,<br>5.3 x 1.3 x 1.2" | CE, UL |
| AMEOR30-AZ  | 90-305/47-440     | 130-430        | 0.64, 0.7, 1,<br>1.4, 2.5 | 36-50, 36-48,<br>24-36, 12-24,<br>5-12 | 3K                      | 83-86             | Resistive                       | 5.8 x 2 x 1.3"            | CE, UL |
| AMEOR30C-AZ | 90-305/47-440     | 130-430        | 0.64, 0.7, 1,<br>1.4, 2.5 | 36-50, 36-48,<br>24-36, 12-24,<br>5-12 | 3K                      | 80-83             | Resistive,<br>PWM & 0-10<br>VDC | 5.8 x 2 x 1.3"            | CE, UL |
| AMEPR30-AZ  | 90-305/47-440     | 130-430        | 0.64, 0.7, 1,<br>1.4, 2.5 | 36-50, 36-48,<br>24-36, 12-24,<br>5-12 | 3K                      | 83-86             | Resistive                       | IP68,<br>5.4 x 2.4 x 1.6" | CE, UL |
| AMEPR30C-AZ | 90-305/47-440     | 130-430        | 0.64, 0.7, 1,<br>1.4, 2.5 | 36-50, 36-48,<br>24-36, 12-24,<br>5-12 | 3K                      | 80-83             | Resistive,<br>PWM & 0-10<br>VDC | IP68,<br>5.4 x 2.4 x 1.6" | CE, UL |
| AMEPR30NC-Z | 90-305/47-63      | --             | 0.5, 0.6, 0.7             | 24-42                                  | --                      | 79-81             | Resistive,<br>PWM & 0-10V       | IP62,<br>6.61 x 1.85      | --     |
| AMEPR30-Z   | 90-264/47-63      | --             | 0.5, 0.6, 0.7             | 28-42, 30-42                           | --                      | 88-89             | --                              | IP20,<br>4.33 x 1.65      | CE, UL |
| AMEPR30N-Z  | 90-305/47-63      | --             | 0.5, 0.6, 0.7             | 24-42                                  | --                      | 79-81             | --                              | IP67,<br>6.61 x 1.85      | --     |

## 40 Watt

|            |              |    |                   |               |    |       |    |                            |    |
|------------|--------------|----|-------------------|---------------|----|-------|----|----------------------------|----|
| AMER40-Z   | 90-305/47-63 | -- | 0.75, 0.9         | 30-42         | -- | 89    | -- | IP65/IP67,<br>6.5 x 1.91"  | -- |
| AMEPR40-Z  | 90-264/47-63 | -- | 0.4, 1            | 30-42, 80-100 | -- | 88    | -- | IP20,<br>5.71 x 1.89"      | -- |
| AMEPR40N-Z | 90-305/47-63 | -- | 0.8, 0.85, 0.9, 1 | 24-42         | -- | 82-84 | -- | IP62,<br>6.61 x 1.85"      | -- |
| AMER40N-Z  | 90-305/47-63 | -- | 0.75, 0.9         | 30-42         | -- | 86-87 | -- | IP65/IP67,<br>7.36 x 1.91" | CE |

## 50 Watt

|            |              |    |               |       |    |       |    |                            |    |
|------------|--------------|----|---------------|-------|----|-------|----|----------------------------|----|
| AMER50-Z   | 90-305/47-63 | -- | 1.05, 1.2     | 30-42 | -- | 89-90 | -- | IP65/IP67,<br>6.89 x 1.91" | -- |
| AMEQR50N-Z | 90-305/47-63 | -- | 1             | 36-50 | -- | 88    | -- | IP65/IP67,<br>4.88 x 3.57" | -- |
| AMEPR50N-Z | 90-264/47-63 | -- | 1, 1.05, 1.15 | 30-42 | -- | 87    | -- | IP67,<br>6.3 x 1.73"       | -- |
| AMER50N-Z  | 90-305/47-63 | -- | 1.05, 1.2     | 30-42 | -- | 87-88 | -- | IP65/IP67,<br>7.36 x 1.91  | CE |

# AC/DC LED Drivers

## 60 Watt

| SERIES          | INPUT (VAC/Hz) | INPUT (VDC) | OUTPUT CURRENT (A) | OUTPUT VOLTAGE RANGE (VDC) | ISOLATION (VAC) | EFFICIENCY (%) | DIMMING TYPE              | CASE                       | SAFETY |
|-----------------|----------------|-------------|--------------------|----------------------------|-----------------|----------------|---------------------------|----------------------------|--------|
| AMER60-Z        | 90-305/47-63   | --          | 1.3, 1.4, 1.5, 1.6 | 24-42                      | --              | 89-90          | --                        | IP65/IP67, 6.89 x 1.91     | --     |
| AMER60N-Z       | 90-305/47-63   | --          | 1.3, 1.4, 1.5, 1.6 | 24-42                      | --              | 87-88          | --                        | IP65, IP67, 7.36 x 1.91    | --     |
| AMEPR60N-Z      | 90-264/47-63   | --          | 1.4                | 24-42                      | --              | 86             | --                        | IP54, 6.3 x 1.73           | CE     |
| AMEOR60-AZ      | 90-305/47-440  | 130-430     | 1.2, 1.66, 2.5, 5  | 36-50, 12-24, 24-36, 5-12  | 3K              | 85-89          | Resistive                 | 5.8 x 2 x 1.3"             | CE, UL |
| AMEOR60C-AZ     | 90-305/47-440  | 130-430     | 1.2, 1.66, 2.5, 5  | 36-50, 12-24, 24-36, 5-12  | 3K              | 85-89          | Resistive, PWM & 0-10 VDC | 5.8 x 2 x 1.3"             | CE, UL |
| AMEPR60-AZ      | 90-305/47-440  | 130-430     | 1.2, 1.66, 2.5, 5  | 36-50, 12-24, 24-36, 5-12  | 3K              | 82-89          | Resistive                 | IP68, 5.4 x 2.4 x 1.6"     | CE, UL |
| AMEPR60C-AZ     | 90-305/47-440  | 130-430     | 1.2, 1.66, 2.5, 5  | 36-50, 12-24, 24-36, 5-12  | 3K              | 85-89          | Resistive, PWM & 0-10 VDC | IP68, 5.4 x 2.4 x 1.6"     | CE, UL |
| NEW AMER60-12VC | 90-295/47-63   | --          | 5                  | 12                         | --              | 88             | --                        | IP66 & 68 6.9 x 1.9 x 1.3" | CE     |

## 70 Watt

|            |              |    |     |       |       |    |    |                          |    |
|------------|--------------|----|-----|-------|-------|----|----|--------------------------|----|
| AMEQR70N-Z | 90-305/47-63 | -- | 1.4 | 36-50 | 3.75k | 88 | -- | IP67, 4.88 x 3.57 x 1.75 | CE |
|------------|--------------|----|-----|-------|-------|----|----|--------------------------|----|

## 72 Watt

|                    |              |    |   |       |       |    |    |                           |    |
|--------------------|--------------|----|---|-------|-------|----|----|---------------------------|----|
| NEW AMER72N-24300Z | 90-305/47-63 | -- | 3 | 12-24 | 3.75k | 87 | -- | IP67, 41.91 x 1.31 x 7.36 | CE |
|--------------------|--------------|----|---|-------|-------|----|----|---------------------------|----|

## 90 Watt

|           |              |    |       |              |    |       |    |                       |        |
|-----------|--------------|----|-------|--------------|----|-------|----|-----------------------|--------|
| AMER90-Z  | 90-305/47-63 | -- | 1.6-2 | 24-42, 40-56 | -- | 90    | -- | IP67, 6.93 x 2.7      | CE, UL |
| AMER90C-Z | 90-305/47-63 | -- | 1.2   | 35-70        | -- | 90-91 | -- | IP65/IP67, 6.93 x 2.7 | --     |

120 Watt

| SERIES     | INPUT (VAC/Hz) | INPUT (VDC) | OUTPUT CUR-<br>RENT (A) | OUTPUT VOLTAGE<br>RANGE (VDC) | ISOLA-<br>TION (VAC) | EFFICIEN-<br>CY (%) | DIMMING<br>TYPE | CASE                     | SAFETY |
|------------|----------------|-------------|-------------------------|-------------------------------|----------------------|---------------------|-----------------|--------------------------|--------|
| AMER120C-Z | 90-305/47-63   |             | 1.7                     | 35-70                         |                      | 90, 91              |                 | IP65/IP67,<br>6.93 x 2.7 |        |
| AMER120-Z  | 90-305/47-63   |             | 2.5, 3                  | 24-42                         |                      | 87, 88              |                 | IP65/IP67,<br>6.93 x 2.7 | CE     |

130 Watt

|           |              |    |     |       |    |    |    |                           |    |
|-----------|--------------|----|-----|-------|----|----|----|---------------------------|----|
| AMER130-Z | 90-305/47-63 | -- | 2.4 | 35-55 | -- | 92 | -- | IP65/IP67,<br>9.02 x 2.68 | CE |
|-----------|--------------|----|-----|-------|----|----|----|---------------------------|----|

160 Watt

|           |              |    |               |              |    |    |    |                           |    |
|-----------|--------------|----|---------------|--------------|----|----|----|---------------------------|----|
| AMER160-Z | 90-305/47-63 | -- | 2.9, 3.2, 3.4 | 15-48, 30-55 | -- | 92 | -- | IP65/IP67,<br>9.02 x 2.68 | CE |
|-----------|--------------|----|---------------|--------------|----|----|----|---------------------------|----|

175 Watt

|           |              |    |     |       |    |    |    |                           |    |
|-----------|--------------|----|-----|-------|----|----|----|---------------------------|----|
| AMER175-Z | 90-305/47-63 | -- | 3.6 | 15-48 | -- | 92 | -- | IP65/IP67,<br>9.02 x 2.68 | CE |
|-----------|--------------|----|-----|-------|----|----|----|---------------------------|----|

250 Watt

|            |              |    |             |              |    |       |    |                          |    |
|------------|--------------|----|-------------|--------------|----|-------|----|--------------------------|----|
| AMER250C-Z | 90-305/47-63 | -- | 3, 5, 6, 10 | 12-24, 21-42 | -- | 90-91 | -- | IP65/IP67,<br>9.66 x 2.7 | CE |
|------------|--------------|----|-------------|--------------|----|-------|----|--------------------------|----|



AMEQR50N-Z, IP67,  
No flicker, Unique form factor

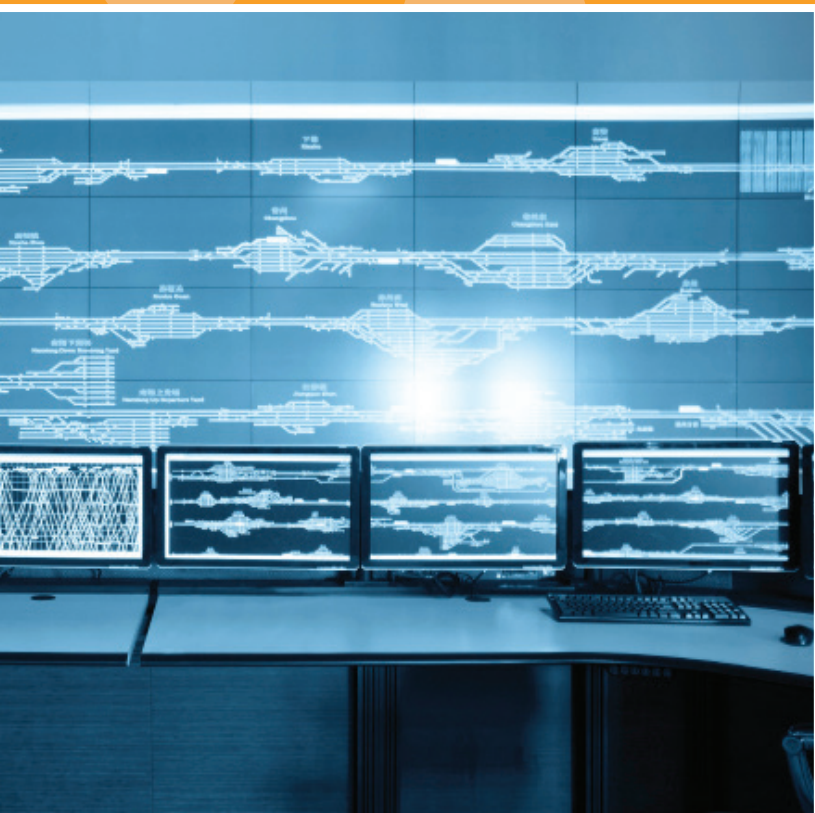


AMER250C-Z, IP67, Dimming



# EMC

## Filters



A brand-NEW product class designed to offer the best EMC compliance and help your product get to market faster.



Wide input range: 90-305VAC, 47-63Hz

Operating temperature: -40 °C to 80 °C

Mounting: PCB mounting, Chassis mounting with screw terminal, DIN-RAIL mounting

## EMC Filters

| Series      | Temp Range (°C) | Active/Passive | Input Voltage Range | Max Output Current (A) | Output Voltage Range | EMC Compliance          | Package      |
|-------------|-----------------|----------------|---------------------|------------------------|----------------------|-------------------------|--------------|
| AMFW40-JZ   | -40 to +85      | Passive        | 0 - 80VDC           | 3                      | -                    | CISPR32/EN55032 Class B | 1 x 1"       |
| AMFW24-JZ   | -40 to +85      | Passive        | 9 - 36VDC           | 1                      | -                    | CISPR32/EN55032 Class B | Encapsulated |
| AMFE305150  | -40 to +85      | Passive        | 85 - 305VAC         | 1.5                    | -                    | CISPR32/EN55032 Class B | Encapsulated |
| AMFE30503   | -40 to +85      | Passive        | 85 - 305VAC         | 0.3                    | -                    | CISPR32/EN55032 Class B | Encapsulated |
| AMFW40FT-JZ | -40 to +85      | Passive        | 0 - 80VDC           | 1.5                    | -                    | -                       | Encapsulated |
| AMFW24-NZ   | -40 to +85      | Active         | 18-36VDC            | 75                     | 82                   | CISPR32/EN55032 Class B | Encapsulated |
| AMFW48-NZ   | -40 to +85      | Active         | 18 - 75VDC          | 30                     | 82                   | CISPR32/EN55032 Class B | Encapsulated |
| AMFW48-JZ   | -40 to +85      | Passive        | 18-75VDC            | 1                      | -                    | CISPR32/EN55032 Class B | Encapsulated |
| AMF48-NZ    | -40 to +85      | Active         | 36 - 76VDC          | -                      | -                    | -                       | Encapsulated |
| AMF24-NZ    | -40 to +85      | Active         | 10 - 36VDC          | -                      | 39                   | CISPR32/EN55032 Class B | Encapsulated |
| AMFW72-NZ   | -40 to +85      | Active         | 40 - 160VDC         | -                      | 165                  | CISPR32/EN55032 Class B | Encapsulated |
| AMFW110-NZ  | -40 to +85      | Active         | 66 - 160VDC         | -                      | 165                  | CISPR32/EN55032 Class B | Encapsulated |
| AMFC-NZ     | -25 to +105     | Passive        | 0 - 2000VDC         | 3                      | -                    | -                       | Open Frame   |



### What makes Aimtec different...

We design and manufacture unique products with distinctive features such as our AC/DC converters with an ultra-wide input range of 90-528VAC to our DC/DC Photovoltaic Series featuring 100-1000, 200-1200 and 150-1500VDC input ranges.

Our product line ranges from 1/4Watt to 250Watt, over 30 package types, and includes one of the industry's largest selections within the 1 to 3 Watt range.

Our AC/DC, DC/DC LED Drivers operate in constant current or constant voltage mode at a bone chilling -55 °C.

Many of our products carry CE and UL certifications and feature an extended operating temperature range of up to 105 to 125 °C, with some reaching cold start temperature as low as -55 °C.

We provide outstanding technical and client **support** worldwide – in several languages – always within 24 hrs.

Aimtec's strong corporate culture is based on a unique mixture of technical vision, innovation and a strong commitment to **surpassing** our clients' expectations.

## Value

Delivering products that provide exceptional performance and reliability at very affordable prices is how Aimtec defines its value proposition. Aimtec's power supplies are designed and manufactured to perform, period. The company **guarantees** the performance and reliability of its AC/DC and DC/DC converters with a three year manufacturer's warranty and a number of its LED drivers with a five year manufacturer's warranty.

## Selection

With one of the widest selections of low-to-mid range power converters from 0.25 Watts to 250 Watts, Aimtec offers one of the **industry's largest** product offerings within the 1 Watt to 3 Watt range.

## Lead Time

With competitive lead times complimented by a global network of stocking distributors who fulfill sample quantities for most models, Aimtec offers one of the shortest lead times in the industry.

## Design

The depth and expertise of Aimtec's electronic design capabilities allow it to deliver highly integrated power supplies that provide energy efficient, cost-effective solutions for a multitude of applications. Aimtec's power converters are renowned for being reliable, robust products that are best in their class for their technical parameters and their **quality/cost ratio** and for exceeding industry norms in terms of features, performance, safety standards and power density.

## Support

Aimtec works with a distribution network in over 102 regions **worldwide** to better support and service its clients' individual needs.



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Aimtec products are available through a global network of local and regional distributors and representatives.

**Your Power Partner**

