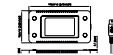




5.75"W x 2.99"L x 1.73"H

- Universal 90-264VAC Input
- ANSI/AAMI ES 60601-1: 2005 (UL/cUL 3rd Edition)
- EN 60601-1:2006 (TUV/T-mark 3rd Edition)
- Regulated Outputs
- 4000V Isolation
- IEC320-C14 Input

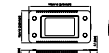


| Model Number | Output Voltage | Output Amps | Regulation | Max. Output Watts | Output Connector | Minimum Efficiency | No-Load Power Consumption |
|----------------------|----------------|-------------|------------|-------------------|------------------|--------------------|---------------------------|
| SINGLE OUTPUT | | | | | | | |
| AMP5101-01 | 3.3 | 12.12 | 5% | 40W | DIN | 65% | 2 Watts |
| AMP5101-02 | 5 | 8 | 5% | 40W | DIN | 73% | 2 Watts |
| AMP5101-03 | 6 | 7 | 5% | 42W | Coaxial | 77% | 3 Watts |
| AMP5101-04 | 10 | 4.5 | 4% | 45W | Coaxial | 77% | 3 Watts |
| AMP5101-05 | 12 | 3.75 | 3% | 45W | Coaxial | 80% | 3 Watts |
| AMP5101-06 | 15 | 3 | 3% | 45W | Coaxial | 80% | 3 Watts |
| AMP5101-07 | 18 | 2.7 | 3% | 50W | Coaxial | 81% | 3 Watts |
| AMP5101-08 | 24 | 2.08 | 2% | 50W | Coaxial | 83% | 4 Watts |
| AMP5101-09 | 30 | 1.66 | 2% | 50W | Coaxial | 82% | 4 Watts |
| AMP5101-10 | 36 | 1.38 | 2% | 50W | Coaxial | 82% | 5 Watts |
| AMP5101-11 | 48 | 1.04 | 2% | 50W | Coaxial | 82% | 6 Watts |



5.75"W x 2.99"L x 1.73"H

- Universal 90-264VAC Input
- ANSI/AAMI ES 60601-1: 2005 (UL/cUL 3rd Edition)
- EN 60601-1:2006 (TUV/T-mark 3rd Edition)
- Regulated Outputs
- 4000V Isolation
- IEC320-C14 Input



| Model Number | Output Voltage | Output Amps | Regulation | Max. Output Watts | Output Connector | Minimum Efficiency | No-Load Power Consumption |
|----------------------|----------------|-------------|------------|-------------------|------------------|--------------------|---------------------------|
| DUAL OUTPUT | | | | | | | |
| AMP5102-00 | 3.3/12 | 5/2 | 7/5% | 40W | DIN | 70% | 4 Watts |
| AMP5102-01 | 5/12 | 5/2 | 5/5% | 42W | DIN | 76% | 4 Watts |
| AMP5102-02 | 5/15 | 5/1.5 | 5/6% | 42W | DIN | 76% | 4 Watts |
| AMP5102-03 | 5/24 | 5/1 | 5/5/5% | 42W | DIN | 77% | 4 Watts |
| AMP5102-04 | 3.3/5 | 5/2 | 7/5% | 26.5W | DIN | 65% | 3 Watts |
| AMP5102-09 | +/-12 | 3/1 | 5/5% | 42W | DIN | 79% | 4 Watts |
| AMP5102-10 | +/-15 | 2/1 | 5/5% | 42W | DIN | 79% | 4 Watts |
| TRIPLE OUTPUT | | | | | | | |
| AMP5103-00 | 3.3,+/-12 | 5/2/0.8 | 7/5/5% | 42W | DIN | 70% | 5 Watts |
| AMP5103-01 | 5/12/-5 | 5/2/0.8 | 5/5/5% | 42W | DIN | 72% | 4 Watts |
| AMP5103-02 | 5/12/-12 | 5/2/0.8 | 5/5/5% | 42W | DIN | 75% | 4 Watts |
| AMP5103-03 | 5/15/-15 | 5/2/0.8 | 5/6/5% | 42W | DIN | 76% | 4 Watts |
| AMP5103-04 | 5,+/-24 | 5/1/0.5 | 5/5/5% | 42W | DIN | 75% | 6 Watts |
| AMP5103-05 | 5/24/-12 | 5/1/0.8 | 5/5/5% | 42W | DIN | 75% | 5 Watts |
| AMP5103-06 | 3.3/12/-5 | 5/2/0.8 | 7/5/5% | 42W | DIN | 70% | 5 Watts |

INPUT SPECIFICATIONS

| | |
|----------------------------------|--------------------------|
| Input Voltage Range | 90-264 VAC |
| Frequency Range | 47-63 Hz |
| Input Current Lowline | 1.35A |
| Input Current Highline | 0.8A |
| Inrush Current, typ (Cold Start) | |
| 115VAC Input | 12 Amps (15Amps Max.) * |
| 230VAC Input | 26 Amps (30 Amps Max.) * |
| Leakage Current | 0.1mA typ. @ 240VAC |
| No-Load Power Consumption | See Selection Charts |

OUTPUT SPECIFICATIONS

| | |
|--------------------------------|--|
| Voltage and Current | See Selection Charts |
| Minimum Load Required | 0-FL Single Outputs 10% Multi-Outputs |
| Load Regulation | See Selection Charts |
| Line Regulation | +/- 0.5%, typ (1% Max.) |
| Temperature Coefficient | +/-0.04%/°C, typ |
| Ripple/Noise | 0.5% Pk-Pk, typ (1% Max.), 2% 3.3V |
| Over Voltage Protection | 112-132%* |
| Over Current Protection | 110-150% of Rated Current |
| Transient Response | 50% to 100% Load 4mS |
| Start Up Time (min./typ./max.) | 2 Seconds max. |
| Hold Up Time | 16mS min. at 110VAC Input |

GENERAL SPECIFICATIONS

| | |
|----------------------|---|
| Isolation | I/P-O/P: 4000VAC |
| | I/P-Ground: 1500VAC |
| Isolation Resistance | 50MΩ |
| Efficiency | See Selection Charts |
| Safety | ANSI/AAMI ES 60601-1: 2005 (UL/cUL 3rd Edition) EN 60601-1:2006 (TUV/T-mark 3rd Edition) |

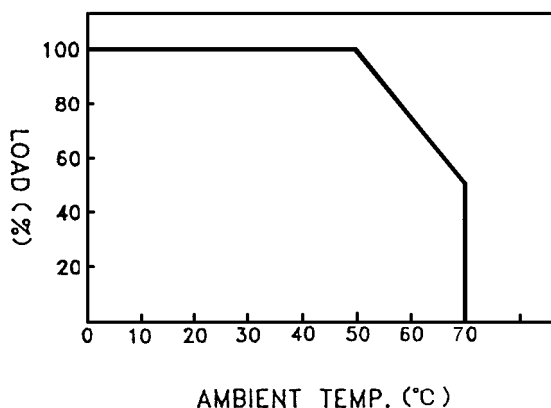
PHYSICAL SPECIFICATIONS

| | |
|--------------|-----------------------|
| Size | 5.75" x 2.99" x 1.73" |
| Construction | Desktop Style |
| Weight | 19.75 oz (560g) |

ENVIRONMENTAL SPECIFICATIONS

| | |
|----------------------------|---|
| Oper. Temperature | 0 to +70°C |
| | See Derate Curve |
| Storage Temperature | -40 to +85°C * |
| Relative Humidity | 0 to + 95%* |
| EMC | Vin = 220VAC CISPR-11 B Vin = 110VAC FCC Part 18 B |
| MTBF (MIL-HDBK-217F, 25°C) | 100,000 Hours |

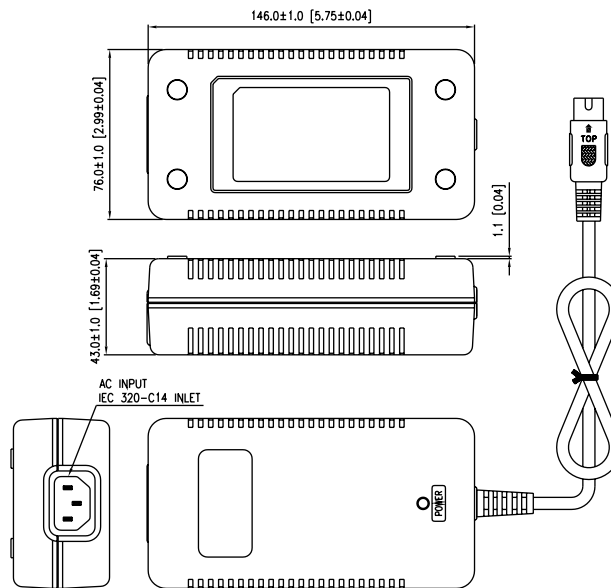
OUTPUT DERATING CURVE



All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

MECHANICAL DIMENSIONS



DC Output Connections

Coaxial Plug (Single Output Models)



5.5mm outer diameter
2.1mm inner diameter, female
11mm length, center "+"

DIN (Single-Output Models)

5 Pin DIN



1. COM
2. COM
3. Vout
4. COM
5. Vout
SHELL = GND

DIN (Multi-Output Models)

5 Pin DIN



1. COM
2. COM
3. Output #1
4. Output #3 (Triples, N.C. Otherwise)
5. Output #2