

2"W x 2.28"L x 0.833"H

- Universal 90-264VAC Input
- High Efficiency
- Regulated Outputs
- 4000VAC Isolation
- Single Output from 3.3 to 24 VDC



| Model Number | Output Voltage | Output Amps (max) | (pk) |
|--------------|----------------|-------------------|------|
| ASM-0100 | 3.3 VDC | 2.5A | 3.3A |
| ASM-0101 | 5 VDC | 2A | 2.6A |
| ASM-0102 | 12 VDC | 0.85A | 1.2A |
| ASM-0103 | 15VDC | 0.67A | 0.9A |
| ASM-0105 | 24VDC | 0.42A | 0.6A |

INPUT SPECIFICATIONS

| | |
|----------------------|--|
| Input Voltage Range | 90-264 VAC; (100-240 Nominal) |
| Frequency Range | 47-63 Hz |
| Inrush Current, typ: | 20A @ 100VAC Input * 40A @ 200VAC Input * |
| Leakage Current | <0.3mA @ 264VAC, 50Hz |

OUTPUT SPECIFICATIONS

| | |
|--------------------------|---------------------------------|
| Voltage and Current | See Selection Chart |
| Load Regulation | +/- 3% (20% to 100% Load) |
| Line Regulation | +/- 0.1~1%, typ |
| Preset Accuracy | 1% |
| DC Voltage Adjust (typ) | +/- 6% of FS (Primary) |
| Temperature Coefficient | +/-0.03%/°C |
| Ripple/Noise | 100mV Pk-Pk, typ |
| Over Voltage Protection | Clamp, 130-150% * |
| Short Circuit Protection | Continuous, self-recovering |
| Hold Up Time | 20 mS, typ at Nom.Input Voltage |

GENERAL SPECIFICATIONS

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|---------------------|--|
| Isolation | I/P-O/P: 4000VAC |
| Efficiency | 72%~78%, typ (62% for 3.3 Vout) |
| Switching Frequency | 100Khz, (fixed, typical) |
| Safety UL/cUL: | ANSI/AAMI ES60601-1 3rd ed. CSA C22.2 No. 60601-1 3rd ed. |
| UL-EU: | EN60601-1 3rd ed. |
| CB: | IEC60601-1 3rd ed. |
| CE: | EN60601-1-2 |

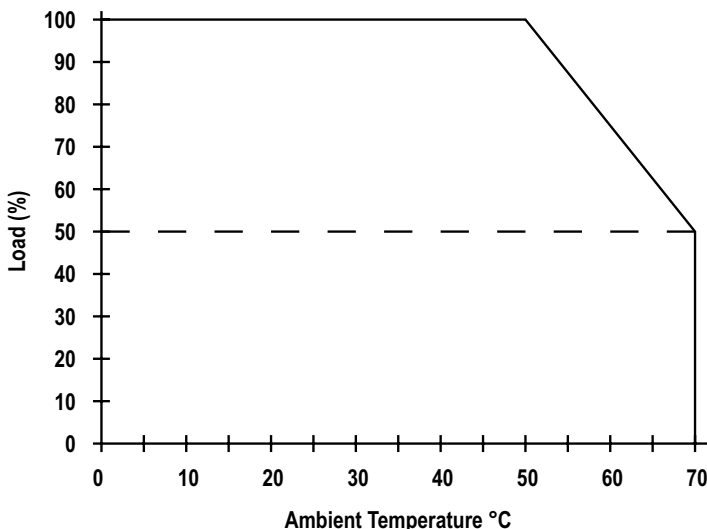
PHYSICAL SPECIFICATIONS

| | |
|------------------------|---|
| Size | 2" x 2.28" x 0.833" |
| Construction | Open Frame |
| Weight | 1.6oz (44g) |
| Connectors: Molex P/N: | 50-37-5033 (Input) 50-37-5023 (Output) |

ENVIRONMENTAL SPECIFICATIONS

| | |
|---------------------|----------------------------------|
| Oper. Temperature | 0 to +50°C(FL) |
| Storage Temperature | -25 to +71°C * |
| Relative Humidity | 0 to + 95%, non-cond * |
| EMC | EN55011 Class A |
| MTBF | 180,000 Hrs Mil Std 217, 25°C |

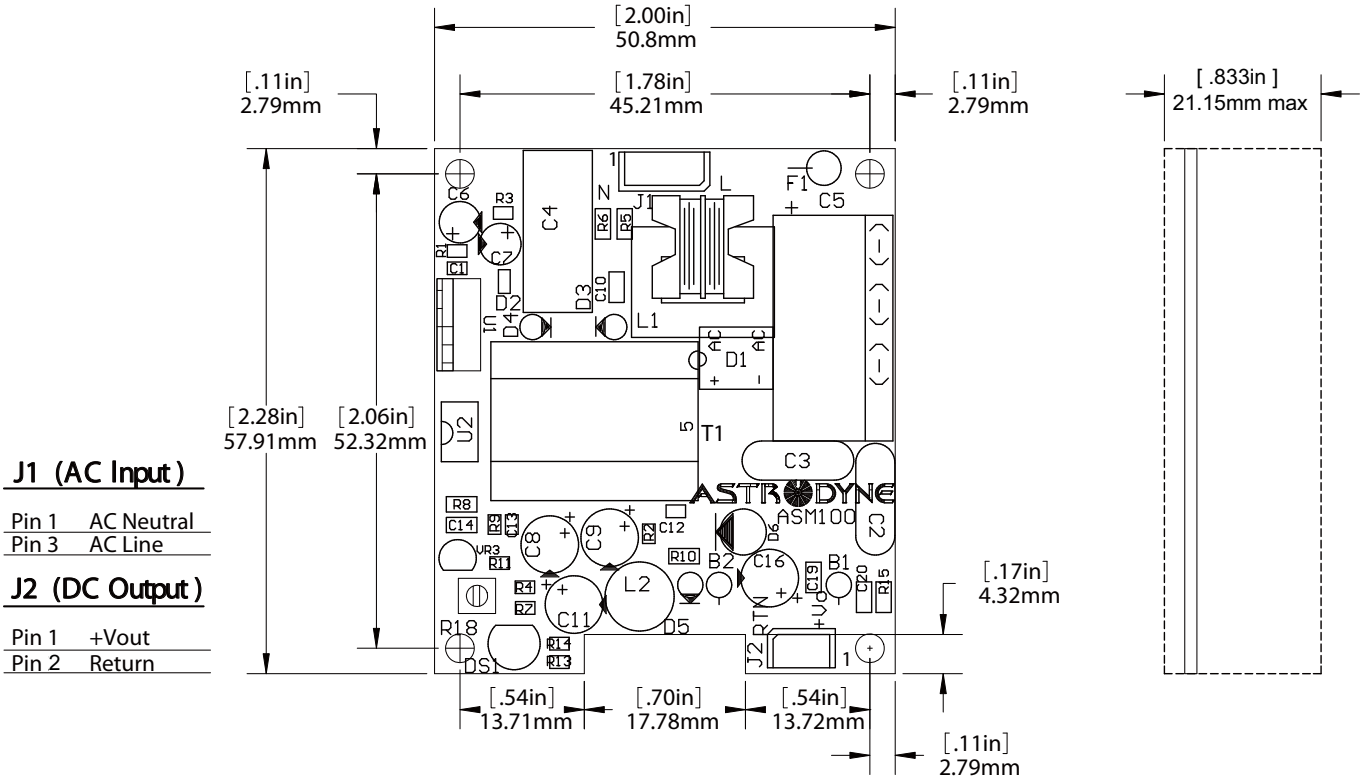
OUTPUT DERATING CURVE



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



J1 (AC Input)
Pin 1 AC Neutral
Pin 3 AC Line

J2 (DC Output)
Pin 1 +Vout
Pin 2 Return

SIZE TOLERANCE: ± 0.3mm