

3"W x 2.10"L x 0.86"H

- Universal 90-264VAC Input
- Molex Mini Connector I/O
- Regulated Outputs
- 3000V Isolation
- Single Output from 3.3 to 24 VDC



| Model Number | Output Voltage | Output Amps (max) | (pk) |
|--------------|----------------|-------------------|-------|
| ASL-1500 | 3.3 VDC | 3.5A | 3.8A |
| ASL-1501 | 5 VDC | 3A | 3.6A |
| ASL-1502 | 12 VDC | 1.25A | 1.5A |
| ASL-1503 | 15VDC | 1A | 1.25A |
| ASL-1505 | 24VDC | 0.63A | 0.75A |



15W Ultraminiature Open Frame Global Switching Power Supplies

ASL15 series

INPUT SPECIFICATIONS

| | |
|----------------------|----------------------|
| Input Voltage Range | 90-264 VAC |
| Frequency Range | 47-63 Hz |
| Inrush Current, typ: | 20A @ 100VAC Input * |
| | 40A @ 200VAC Input * |

OUTPUT SPECIFICATIONS

| | |
|--------------------------|------------------------------|
| Voltage and Current | See Selection Chart |
| Load Regulation | +/- 3% (20% to 100% Load) |
| Line Regulation | Singles +/- 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% * |
| Over Temp. Protection | Latching, Cool and Repower |
| Short Circuit Protection | Continuous, self-recovering |
| Hold Up Time | 20 mS, typ |

GENERAL SPECIFICATIONS

| | |
|---------------------|------------------------------|
| Isolation | I/P-O/P:3000VAC |
| | I/P-Ground: 2500VAC |
| | O/P-Ground: 1000VAC |
| Efficiency | 75%~78%, typ |
| Switching Frequency | 100Khz, (fixed, typical) |
| Safety | UL60950-1, EN60950, IEC60950 |

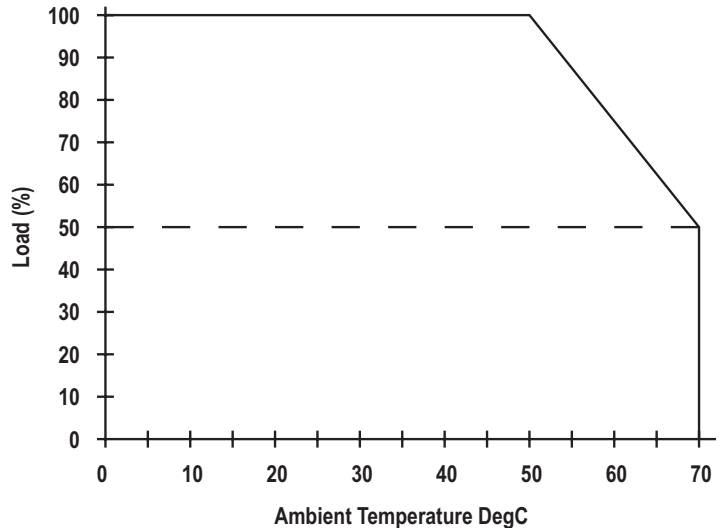
PHYSICAL SPECIFICATIONS

| | |
|------------------------|---------------------|
| Size | 3" x 2.10" x 0.85" |
| Construction | Open Frame |
| Weight | 2.5oz (70g) |
| Connectors: Molex P/N: | 50-37-5043 (Input) |
| | 50-37-5043 (Output) |
| | Contact: 08-70-1040 |

ENVIRONMENTAL SPECIFICATIONS

| | |
|---------------------|-----------------------------|
| Oper. Temperature | -10 to +50°C(FL) See Derate |
| Storage Temperature | -25 to +71°C * |
| Relative Humidity | 0 to +95%, non-cond * |
| EMC | FCC/A, VDE 0871/A |
| MTBF | 180,000 Hrs |
| | Mil Std 217, 25°C |

OUTPUT DERATING CURVE

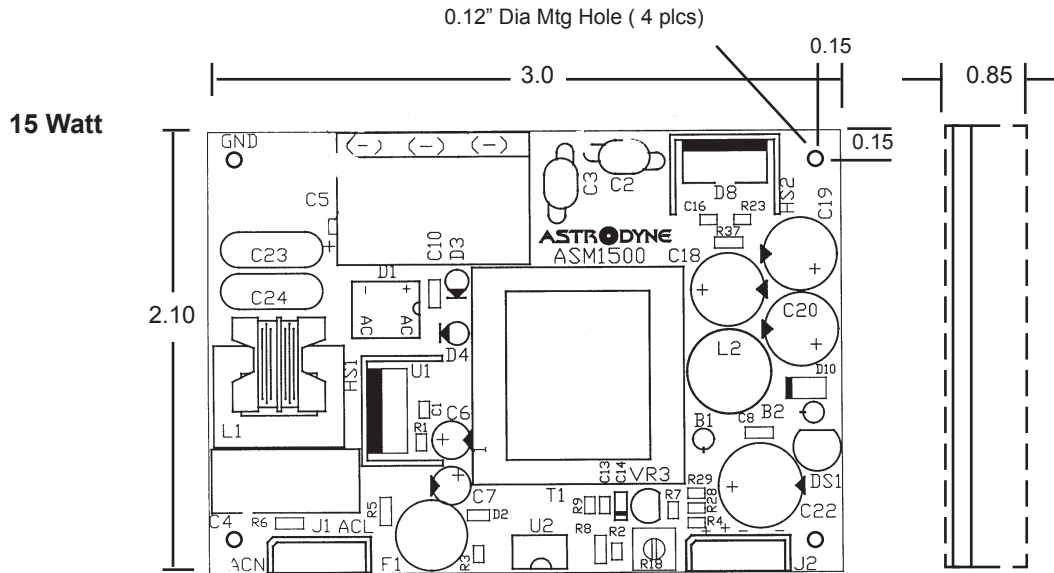


All specifications are typical at nominal input, full load, and 25DegC unless otherwise noted

* 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.

Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

MECHANICAL DIMENSIONS



J1 (AC Input)

| | |
|-------|------------|
| Pin 1 | AC Neutral |
| Pin 2 | N/C |
| Pin 3 | N/C |
| Pin 4 | AC Line |

J2 (DC Output)

| | |
|-------|-------------|
| Pin 1 | Com. Return |
| Pin 2 | Com. Return |
| Pin 3 | +Vout |
| Pin 4 | +Vout |