



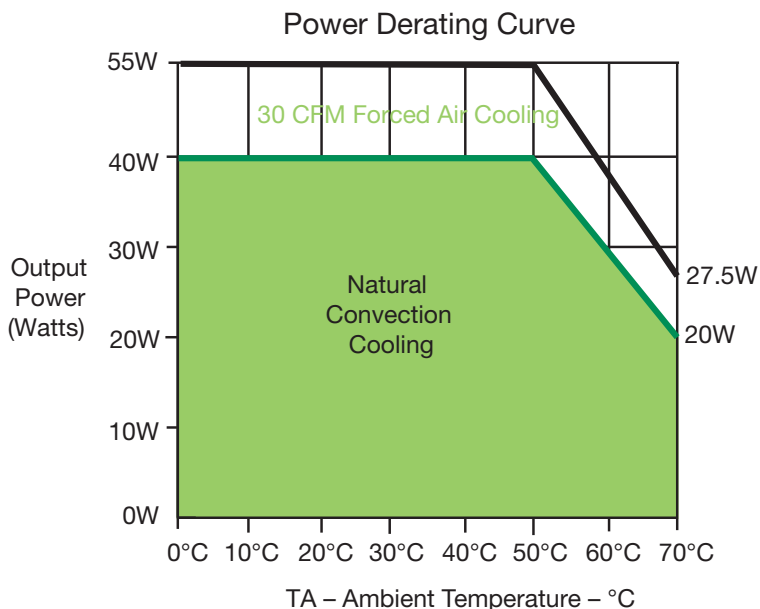
### Environmental Specifications

Operating temperature:	0° to 50 °C ambient. Derate each output 2.5% per degree from 50° to 70 °C, -20 °C startup
Storage temperature:	-40 °C to +85 °C
Temperature coefficient:	± 0.4% per °C
Electromagnetic susceptibility:	Designed to meet IEC 801, -2, -3, -4, -5, -6, Level 3
Humidity:	Operating; non-condensing 5% to 95% RH
Vibration:	Three orthogonal axes, sweep at 1 oct/min, 5 min. dwell at four major resonances 0.75G peak 5 Hz to 500 Hz, operational
MTBF demonstrated:	> 550,000 hours at full load and 25 °C ambient conditions

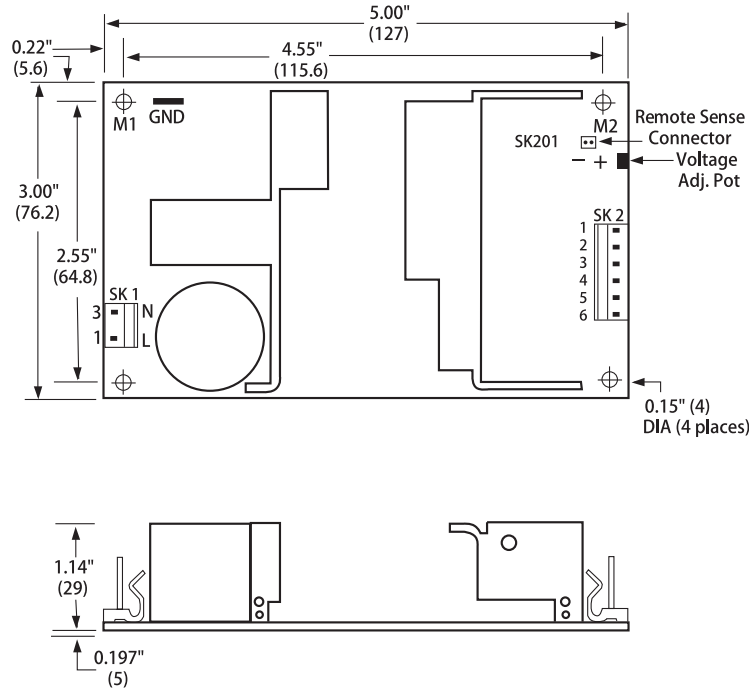
### Ordering Information

Model Number	Output Voltage	Minimun Load	Maxlmun Load with Convection Cooling	Maximun Load with 30CFM Forced Air	Peak Load <sup>1</sup>	Regulation <sup>2</sup>	Ripple P/P(PARD) <sup>3</sup>
LPS42-M	5 V	0A	8 A	11 A	12 A	± 2%	50mV
LPS43-M	12 V	0A	3.3 A	4.5 A	5 A	± 2%	120 mV
LPS44-M	15 V	0A	2.6 A	3.6 A	4 A	± 2%	150 mV
LPS45-M	24 V	0A	1.6 A	2.3 A	2.5 A	± 2%	240 mV

1. Peak current lasting < 30 seconds with a maximum 10% duty cycle.
2. At 25 °C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 µF in parallel with a 0.1 µF capacitor at rated line voltage and load ranges.



Mechanical Drawing



Pin Assignments

Connector	LPS42-M	LPS43-M	LPS44-M	LPS45-M
SK1-1	Neutral	Neutral	Neutral	Neutral
SK1-3	Line	Line	Line	Line
SK2-1	+5 V	+12 V	+15 V	+24 V
SK2-2	+5 V	+12 V	+15 V	+24 V
SK2-3	+5 V	+12 V	+15 V	+24 V
SK2-4	Common	Common	Common	Common
SK2-5	Common	Common	Common	Common
SK2-6	Common	Common	Common	Common
SK201-1	+Sense	+Sense	+Sense	+Sense
SK201-2	-Sense	-Sense	-Sense	-Sense

Mating Connectors

<b>AC Input:</b>	Molex 09-50-8031 (USA) 09-93-0300 (UK) PINS: 08-52-0113
<b>DC Outputs:</b>	Molex 09-50-8061 (USA) 09-93-0600 (UK) PINS: 08-52-0113
<b>Remote Sense:</b>	Molex 22-01-2025 PINS: 08-52-0123
Artesyn Embedded Technologies Connector Kit #70-841-006, includes all of the above	

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is  $\pm 0.02$ " ( $\pm 0.5$ mm)
3. Mounting holes M1 and M2 should be grounded for EMI purposes.
4. Mounting hole M1 is safety ground connection.
5. Specifications are for convection rating at factory settings at 115 VAC input, 25 °C unless otherwise stated.
6. Warranty: 2 years
7. Weight: 0.5lbs/0.23kg

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