



2.59"W x 2.0"L x 1.1"H

- Universal 90-264VAC Input
- Compact Footprint
- High Efficiency
- Regulated Outputs
- 3000VAC Isolation
- Built in EMI Filter



Model Number	Output Voltage	Output Amps (max)	Ripple/Noise pp,typ	Efficiency
PV15-5S	5 VDC	3	80mV	77%
PV15-12S	12 VDC	1.25	120mV	80%
PV15-15S	15 VDC	1	120mV	80%
PV15-24S	24 VDC	0.63	120mV	80%
PV15-48S	48 VDC	0.32	120mV	80%

Compact 15 Watt Enclosed Switching Power Supplies

PV15 series

INPUT SPECIFICATIONS

Input Voltage Range AC/DC	90-264 VAC (100-240VAC nom) 125-370 VDC
Frequency Range	47-63 Hz
Inrush Current, typ, Cold start:	20A @ 120VAC Input * 40A @ 220VAC Input *

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation (20% to 100%)	± 0.5%, typ.; 1% max.
Line Regulation	± 0.5%, typ.; 1% max.
Preset Accuracy	1%, typ
DC Voltage Adjust (typ)	± 10%
Temperature Coefficient	± 0.03%/°C (0-50°C, typ.)
Ripple/Noise (Note 1)	See Selection Chart
Over Voltage Protection	Clamp *
Over Current Protection	160% max. at 115/230Vac, auto-recovery *
Short Circuit Protection	Latching, recoverable after fault is released
Hold Up Time	16mS, typ (Nom I/P, FL)

GENERAL SPECIFICATIONS

Isolation	I/P-O/P: 4242VDC (3000VAC) I/P-Ground: 2121VDC (1500VAC) O/P-Ground 707VDC (500VAC)
Efficiency	See Selection Chart
Switching Frequency	65Khz, (fixed, typical)
Safety UL/cUL:	UL60950-1 2nd ed./ C22.2 60950-1 2nd ed.
CB:	IEC60950-1 2nd ed.

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

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	-20 to +70°C (See Derate)
Storage Temperature	-20 to +85°C *
Relative Humidity	0% to +95%, non-cond *
EMC	EN55022 Class B
EMS	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
MTBF (MIL-STD-217, 25°C)	190,000 Hrs

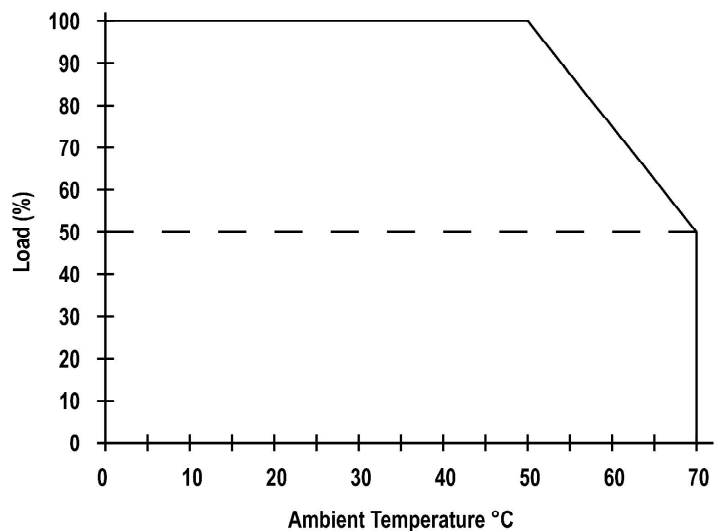
PHYSICAL SPECIFICATIONS

Size	2.59" x 2.0" x 1.1" (66mm x 50.8mm x 28mm)
Construction	Enclosed
Weight	0.275 lb, (125g)

NOTES

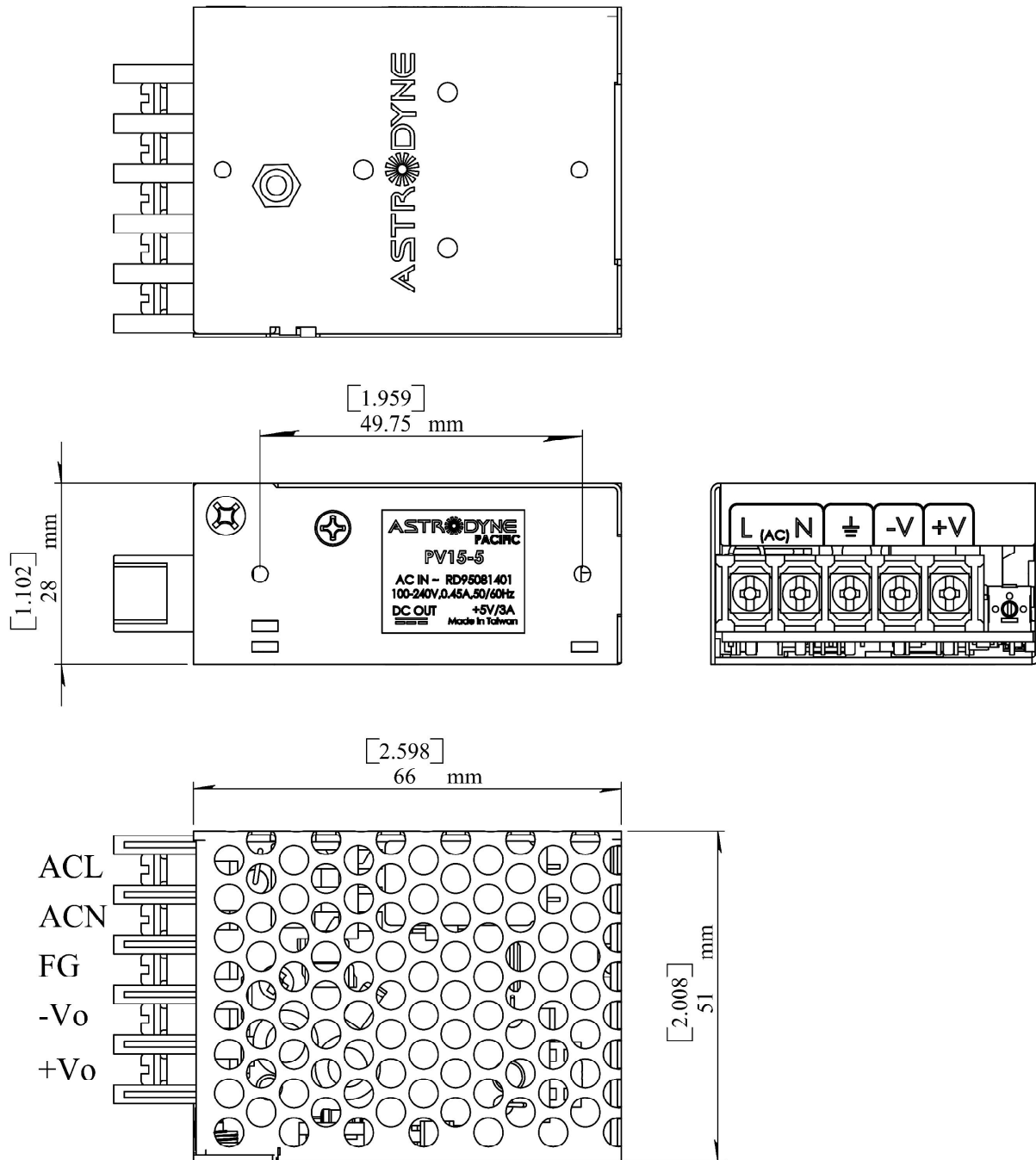
1. Measured by paralleling 47uF/EC and 0.1uF ceramic capacitors on the output at a 20MHz band-width

DERATE CURVE



* 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



Use M3 Screws