



10 Watt Wallmount Switching Power Supplies

SPU10 series



- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- 2 Prong Plug-In Mains Connector
- Output Voltage Available from 5Volts(DC) thru 36Volts(DC)
- Single Output
- Class II
- LPS Efficiency Level V



Model Number	Rated Power	Output Voltage	Output Amps
SPU10-102	8 W	5 Volts(DC)	1.60 Amps
SPU10-103	8 W	6 Volts(DC)	1.33 Amps
SPU10-104	10 W	9 Volts(DC)	1.11 Amps
SPU10-105	10 W	12 Volts(DC)	0.83 Amps
SPU10-106	10 W	15 Volts(DC)	0.66 Amps
SPU10-107	10 W	18 Volts(DC)	0.55 Amps
SPU10-108	10 W	24 Volts(DC)	0.42 Amps
SPU10-109	10 W	30 Volts(DC)	0.33 Amps
SPU10-110	10 W	36 Volts(DC)	0.28 Amps



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INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency Range	47-63 Hz
Input Current @ FL	Low Line 0.3Amps @ 115VAC High Line 0.2Amps @ 230VAC
Inrush Current @ FL (Cold Start)	Low Line 30Amps max @ 115VAC High Line 60Amps max @ 230VAC
Leakage Current @ FL	0.25 mAmps max. @ 240VAC 0.2 mAmps typ. @ 240VAC

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts
Load Regulation @ FL	± 5%, max. @ 230VAC ±3%, typ. @ 230VAC
Line Regulation @ FL	± 1%, max. ± 0.5% typ.
Transient Response	4mS @ 100VAC
Ripple/Noise @ FL	1% Pk-Pk @ 90VAC max. 0.5% Pk-Pk @ 90VAC typ.
Start Up 100Vin, FL	2S max. / 1S typ. / 0.3S min
Hold Up Time @ FL	5mS min @ 100VAC 10mS typ. @ 100VAC
Short Circuit Protection	Continuous

GENERAL SPECIFICATIONS

Isolation	4242 Volts(DC)
Efficiency @ FL @230VAC	75% min. / 80% typ. / 85% max
EMI	CISPR-22 Class B @ 220VAC FCC PART-15 Class B @ 110VAC

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

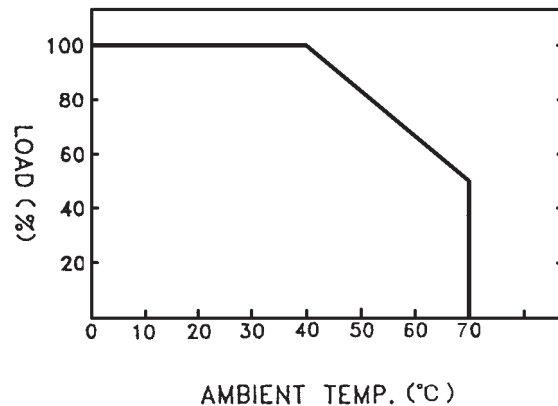
PHYSICAL SPECIFICATIONS

Size	56.0 x 44.0 x 27.5 mm 2.2" x 1.73" x 1.08"
Weight	3.17oz (90g)

ENVIRONMENTAL SPECIFICATIONS

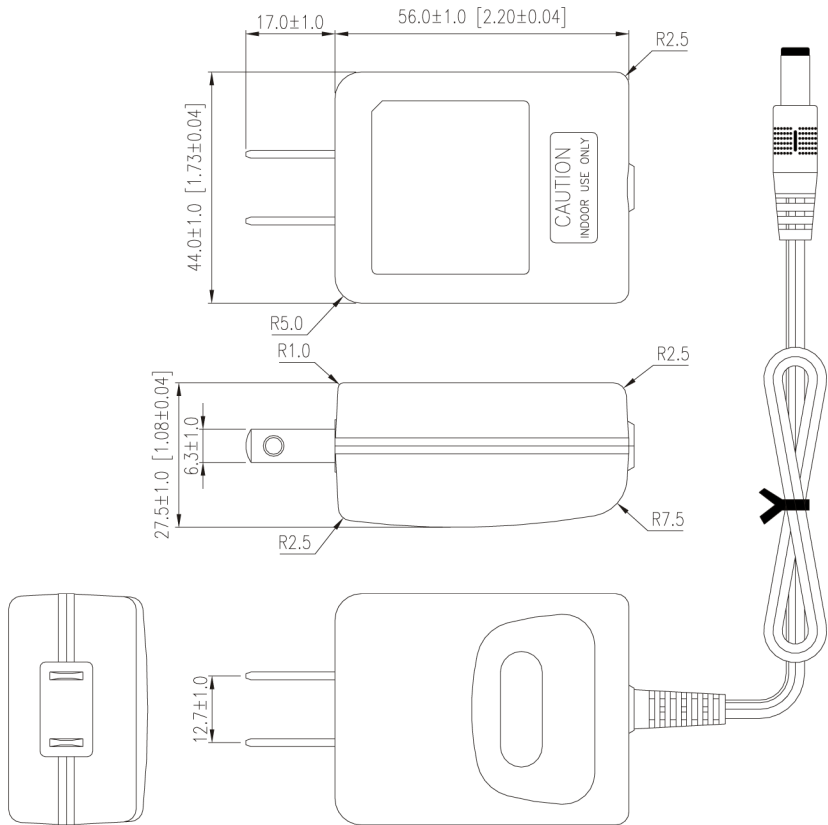
Oper. Temperature	0 to +70°C (FL)
Storage Temperature	-40 to +85°C
Relative Humidity	5% to 95%, non-cond
MTBF	0.1 Mhrs MIL-HDBK-217F(25°C)
Temperature Coefficient	±0.04%/°C
Efficiency Level	V

DERATE CURVE



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.

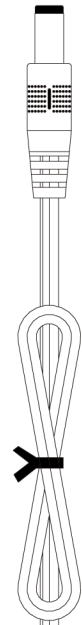
MECHANICAL DIMENSIONS



DC OUTPUT CONNECTIONS

Coaxial Plug

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



SPU10-102~105 Output Cord Length 48" 20AWG
 SPU10-106~110 Output Cord Length 48" 24AWG