



4.11" x 1.65" x 1.22"

- Universal 90-264VAC Input
- IEC-320-C14 Input Receptacle
- Single Outputs from 5 to 48VDC
- Efficiency Level V
- Class I



Model Number	Output Watts	Output Voltage	Output Amps	Total Regulation	No Load Power Consumption
SPU25A-102	16.5	5V	3.3A	5%	0.5W
SPU25A-103	20	6V	3.33A	5%	0.5W
SPU25A-104	22	10V	2.2A	5%	0.5W
SPU25A-105	25	12V	2.08A	5%	0.3W
SPU25A-106	25	15V	1.66A	5%	0.3W
SPU25A-107	25	18V	1.38A	5%	0.3W
SPU25A-108	25	24V	1.04A	3%	0.3W
SPU25A-109	25	30V	0.83A	3%	0.3W
SPU25A-110	25	36V	0.69A	3%	0.3W
SPU25A-111	25	48V	0.52A	3%	0.3W

25 Watt Desktop Switching Power Adapters

SPU25A series

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC (100-240 Nominal)	
Frequency Range	47-63 Hz	
Input Current Max.	Low Line (100VAC)	0.55A
	High Line (240VAC)	0.30A
No Load Power Consumption	230VAC, See Selection Chart	
Inrush Current, FL (Cold Start)	Low Line (115VAC)	25A max.
	High Line (230VAC)	50A max.
Leakage Current	0.75mA max.	
	@ 240 VAC, 60Hz	

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart	
Output Power Range	0 to FL Rating	
Load Regulation (230Vin)	± 5%, max.	
Line Regulation	± 1%, max.	
Transient Response Max.	100Vin, FL to 1/2L	4mS
Temperature Coefficient	±0.04%/°C, typ	
Ripple/Noise	FL, 90Vin	2% Pk-Pk, max.
Over Current Protection	110-150% *	
Hold Up Time	110Vin, FL	12-16mS max.
Start Up	100Vin, FL	2S max.

GENERAL SPECIFICATIONS

Input-Out Isolation	4242 VAC
Input-Ground Isolation	2837 VAC
Isolation Resistance	50 MΩ min.
Efficiency (FL, 230Vin)	75-95%, typ.
Safety	(c)UL60950-1

PHYSICAL SPECIFICATIONS

Size	4.11" x 1.65" x 1.22"
	104.4 x 42 x 31
Construction	Desktop Style
Weight	6oz (170g)

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +40°C (FL) *
	50% Load @ 70°C
	(See Derate Curve)
Storage Temperature	-40 to +85°C *
Operating/Storage Humidity	0% to 95% *
MTBF	300,000 Hrs
	25°C per MIL-HDBK-217F
Efficiency Level	V

NOTE: Low cost 3 Wire IEC320/C13 (Part Number ACCRD-C13) Input Power Cords are available for these products. Inquire to the Astrodyne Sales Depart.

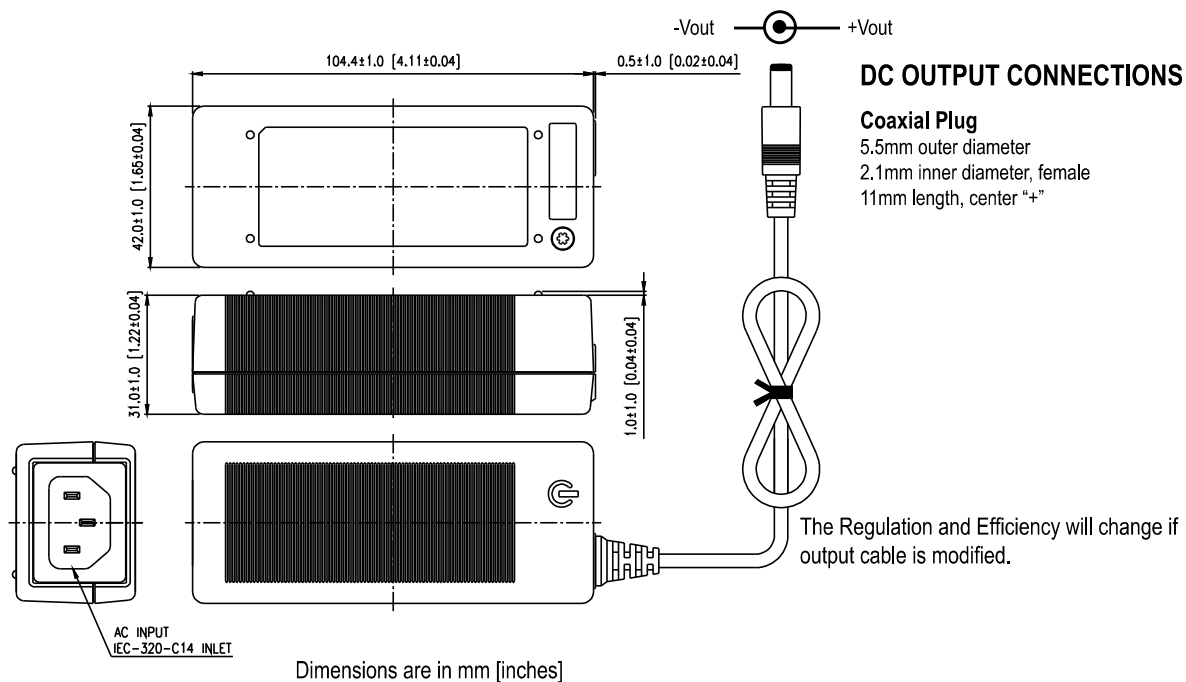
All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

* 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.

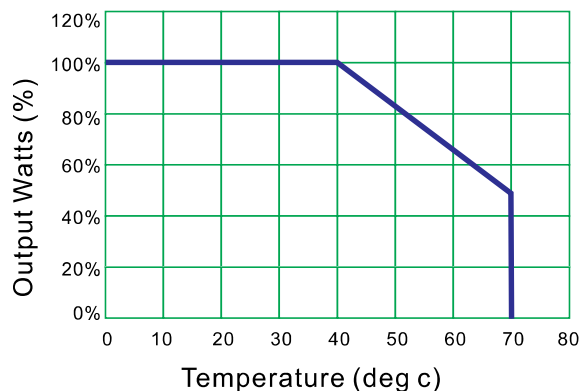
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MECHANICAL DIMENSIONS



DERATE CURVE



1. Operating Temperature: 0 to 70°C
2. Derate linearly from 100% load at 40°C to 50% load at 70°C