



- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- Output Voltage Tolerance: $\pm 2.5\%$ Typical
- 0 to 40°C Operating Temperature
- Short Circuit and Overload Protection
- LPS Efficiency Level IV

Available Features

- More Output Voltage Options - 6V to 48V
- Fixed-In-Place Input Cord
- Wall Plug-in Configuration
- Output Cordsets and Connector Configurations
- Optional ON/OFF Switch

Please contact Astrodyne/Jerome Industries at 908-353-5700



Model Number	Rated Power	Output Voltage	Output Amps
WSA412	20 W	12 Volts(DC)	1.7 Amps
WSA415	20 W	15 Volts(DC)	1.3 Amps
WSA424	20 W	24 Volts(DC)	0.83 Amps

20 Watt Switchmode Power Supplies

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency Range	47-63 Hz

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts
Output Voltage Variance	± 5% @ FL
Load Regulation, FL-NL	± 5%, max.
Ripple/Noise @ FL	100mV p-p max.
Short Circuit Protection	Continuous
Hold-Up Time @ 120 Vin	20mS min.

GENERAL SPECIFICATIONS

Isolation	3000 Volts(AC)
Efficiency Level	IV
EMC (Note 1)	Meets requirements of European EMC Directive and the FCC
Emissions	FCC 47 CFR part 15B, CISPR11B (EN55011B), CISPR22B (EN55022B)
	EN61000-6-3 (light industrial) and EN61000-3-2
Immunity	CISPR24 (EN55024), EN61326 and EN61000-6-1
Safety	
(c)UL:	60950-1 (File # E148586)
TUV:	EN60950-1 (File # B050624072019)
MTBF @ 40°C	100,000 Hrs min.

PHYSICAL SPECIFICATIONS

Size	3.25" x 2.72" x 1.89"
Weight	7.76oz (220g)

ENVIRONMENTAL SPECIFICATIONS

Operating:

Operating. Temperature	0 to +40°C
Humidity	10% to 95%, non-cond
Atmospheric Pressure	70 to 106 kPa

Storage:

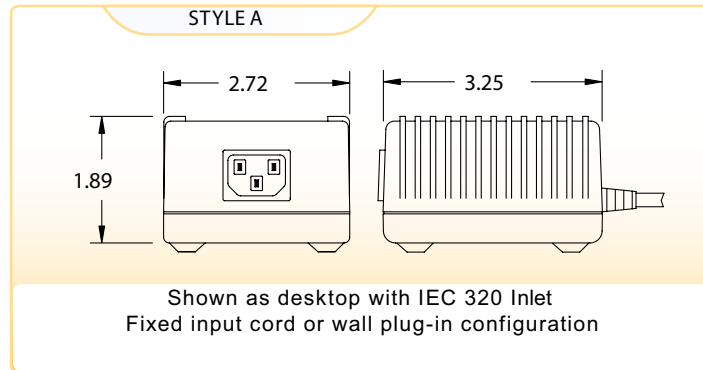
Storage Temperature	-40 to +75°C
Humidity	10% to 95%, non-cond
Atmospheric Pressure	50 to 106 kPa

NOTES

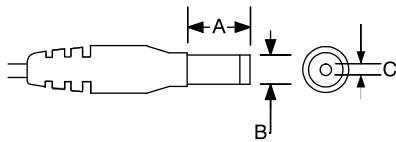
1. The EMC characteristics of the final system comprised of both the power supply and the main system must be evaluated to the applicable EMC environment regulations

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


MECHANICAL DIMENSIONS



OUTPUT CORD
Length: 6 FT
Gauge: 18
of Wires: 2
Color: Black



A	B	C
.374" 9.5mm	.216" 5.5mm	.083" 2.1mm



Call for engineering assistance at
(908) 353-5700 or fax us at (908) 353-1021