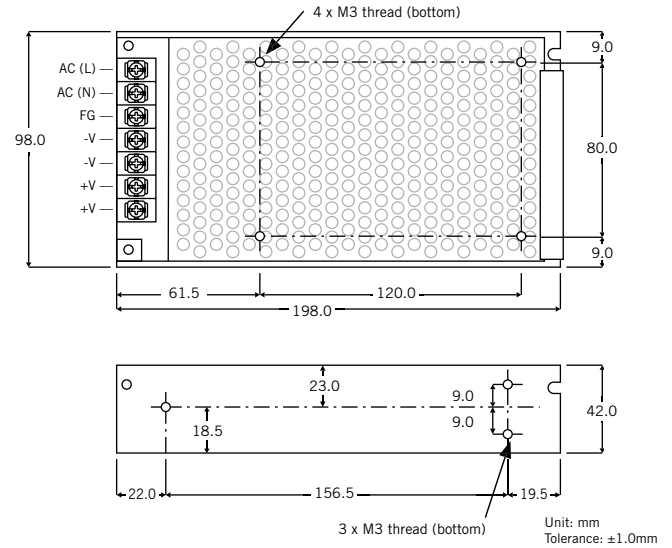


# AWSP100 Series

100 Watt Single Output Enclosed Switching Power Supply with Power Factor Correction for General Purpose Applications



## SPECIFICATIONS (@25°C)

### Input Characteristics

Input Voltage:	88 - 264Vac
Input Frequency Range:	47 - 63Hz
Max Input Current:	1.8A @ Vin (rated)
Max Inrush Current:	20A / 40A @ 110 / 220 VAC (cold start)
Power Factor:	>0.92

### Output Characteristics

Minimum Load:	No minimum load
Adjustable Output Range:	±10%
Ripple & Noise:	100mV
Regulation:	±1.0% Load / ±0.5% Line
Efficiency:	75%
Start-up Time:	300ms max @ 230 VAC
Hold-up Time:	20ms min, 100% Load@230Vac
Rise-up Time:	600ms max, 100% Load@230Vac
Over Current Protection:	105% - 150%
Over Voltage Protection:	125% - 145% Reset by recycle AC

### General Specifications

Switching Frequency:	134kHz (PWM) / 67kHz (PFC)
Dimension (LxWxH):	7.83 x 3.86 x 1.65" / 199 x 98 x 42mm
Weight:	560g net, 610g gross
Warranty:	2 years

### Environmental Specifications

Operating Temperature:	0~60°C Full Load
Storage Temperature:	-25~+75°C
Humidity:	20 to 90% RH, non-condensing
Vibration:	10 - 55Hz, 2G 1min / cycle, period of 60min, each axis
Reliability:	>167,000 Hours MTBF

### EMC & Safety Specifications

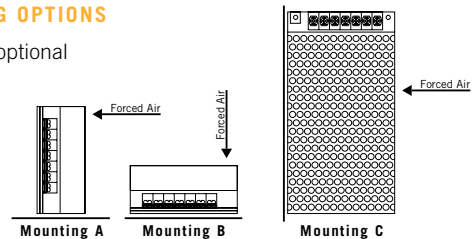
EMC Emissions:	Conforms to EN55022,VCCI,CISPR22 Class B (Conducted & Radiated); IEC-61000-4-2, 61000-4-4, 61000-4-5, 61000-4-11
Safety Approval:	UL 60950 (UL File No: E204980) TUV EN60950 (TUV No: 50067240)

## CONNECTOR TYPES

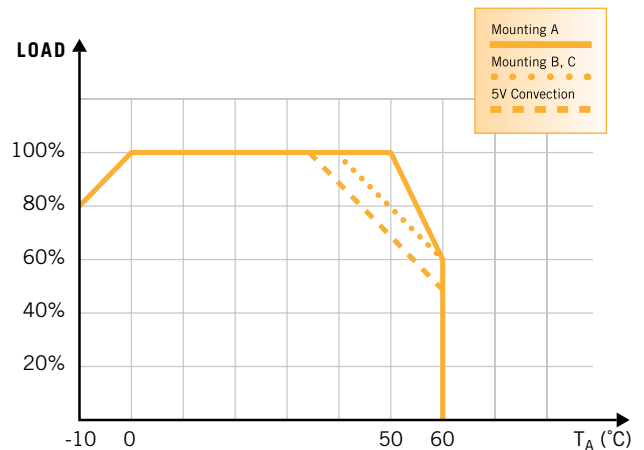
Input: Screw Terminals  
Output: Screw Terminals

## MOUNTING OPTIONS

Forced air optional



## DERATING CURVE



Part Number	Voltage	Current	Efficiency
AWSP100-5	5V	20A	75%
AWSP100-12	12V	8.4A	80%
AWSP100-24	24V	4.2A	84%