

10 Watt Fixed Wall Plug Series



Features

- Limited Power Source (LPS)
- Class B EMI
- Level VI Compliant
- Class II Double Insulated
- High Efficiency
- Low Cost

Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- PDA

Safety Approvals

- UL/cUL 60950-1
- UL/cUL 62368-1

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 45mm (1.77in)
- Height: 31.5mm (1.24in)
- Weight: 68g (2.4oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ¹ P-P (max.)	Regulation Line & Load
		Min.	Max.		
PSM10A-050A-R	5V	0A	2A	200mV	±5%

Notes:

1. Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20Mhz

PSM10A Characteristics¹**Input:****AC Input Voltage Rating**

100 to 240V AC

AC Input Voltage Range

90 to 264V AC

AC Input Frequency

47 to 63Hz

Input Current

0.5A (RMS) maximum at 115VAC/60Hz

0.25A (RMS) maximum at 230VAC/50Hz

Leakage Current

0.25mA @264VAC/50Hz

Inrush Current

30A for 120V AC at maximum load

60A for 230V AC at maximum load

(Cold start at ambient 25°C)

Output:**Efficiency²**

CoC V5 Tier 2

US DOE Level VI

Environmental:**Temperature**

Operation 0 to +40°C

Non-operation -40 to +85°C

Humidity 10 to 90%

Emissions

Complies with FCC Class B

Complies with EN55032 Class B

Immunity

EN 61000-4-2 Level 3

EN 61000-4-3 Level 2

EN 61000-4-4 Level 2

EN 61000-4-5 Level 2

EN 61000-4-6 Level 3

EN 61000-4-11

EN 61000-4-12

EN61000-3-2 Class A

EN61000-3-3

Hold-up Time

10mS minimum at 115VAC/60Hz and maximum load

Over-Voltage Protection

10VDC Max at Max load

Over-Current Protection

Output equipped with short circuit protection – auto-restart

Short-Circuit Protection

Output can be shorted without damage

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000V AC for 1 min., 10mA

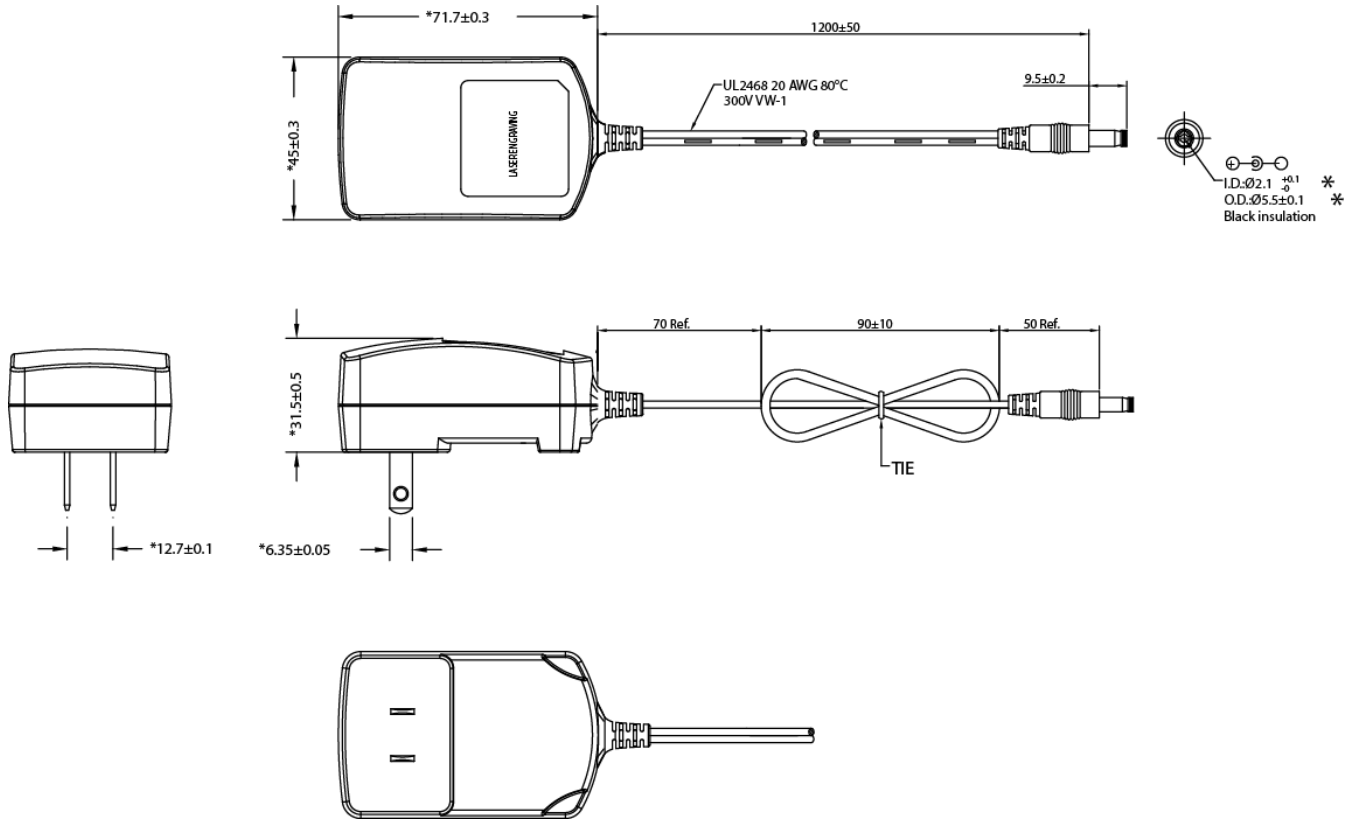
DC Output Connector

2.1 x 5.5mm Center Positive Barrel

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in

Dimension Diagram Unit: mm



Revision 1/14/2020