



10Watt Interchangeable Plug Series



Features

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

Applications

- Wireless Communications
- Network Equipment
- Peripherals
- Gaming

Safety Approvals

- UL/cUL 60950-1
- UL/cUL 62368-1
- RCM
- IEC60950-1
- IEC62368-1
- CE

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 45mm (1.77in)
- Height: 30.79mm (1.21in)
- Weight: 68g (2.4oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ¹ P-P (max.)	Output Connector
		Min.	Max.		
PSM10R-050A-R	5V	0A	2A	200mV	Barrel
PSM10R-050A(M)-R	5V	0A	2A	200mV	Micro B

Notes:

1. Ripple measured by using a 12-inch twisted pair terminated with 10uF capacitor and 0.1uF ceramic in parallel with oscilloscope set to 20Mhz measured after a warm-up of 10minutes.

INPUT:**Input Voltage Rating**

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Current

0.5A (RMS), 115VAC at maximum load
 0.25A (RMS), 230VAC at maximum load

AC Input Frequency

47 to 63Hz

In-rush Current

30A for 120VAC at maximum load
 60A for 240VAC at maximum load
 (cold start at ambient 25°C)

Leakage Current

0.25mA max at 264VAC/50Hz

OUTPUT**Output Power**

10W

Efficiency²

DoE Level VI
 ErP 2009/125/EC (EU 2019/1782)

Hold up time

10mS min @115VAC/60Hz, max load

ENVIRONMENTAL**Temperature**

Operation	0°C to +40°C
Non-operation	-40°C to +85°C
Humidity	10 to 90%

EMI

Complies with FCC Class B
 Complies with EN55032 Class B

Immunity

EN61000-4-2 Level 3
 EN61000-4-3 Level 2
 EN61000-4-4 Level 2
 EN61000-4-5 Level 2
 EN61000-4-6 Level 3
 EN61000-4-11
 EN61000-4-12
 EN61000-3-2 Class A
 EN61000-3-3

Isolation (HI-POT test)

Pri. to Sec. 3000VAC for 1 minute, 10mA

Insulation Resistance

>50M ohm 500VDC

FEATURES:**Over Current Protection**

Short Circuit Auto-restart

Short Circuit Protection

Output can be shorted without damage

Over Voltage Protection

10VDC max at full load

Dielectric Withstand (Hi-pot) Test

Pri. to Sec.: 3000V AC for 1 min., 10mA

DC Cord

1200mm (20 AWG for barrel connector,
 22AWG for Micro B connector)

AC Input clips (sold separately):

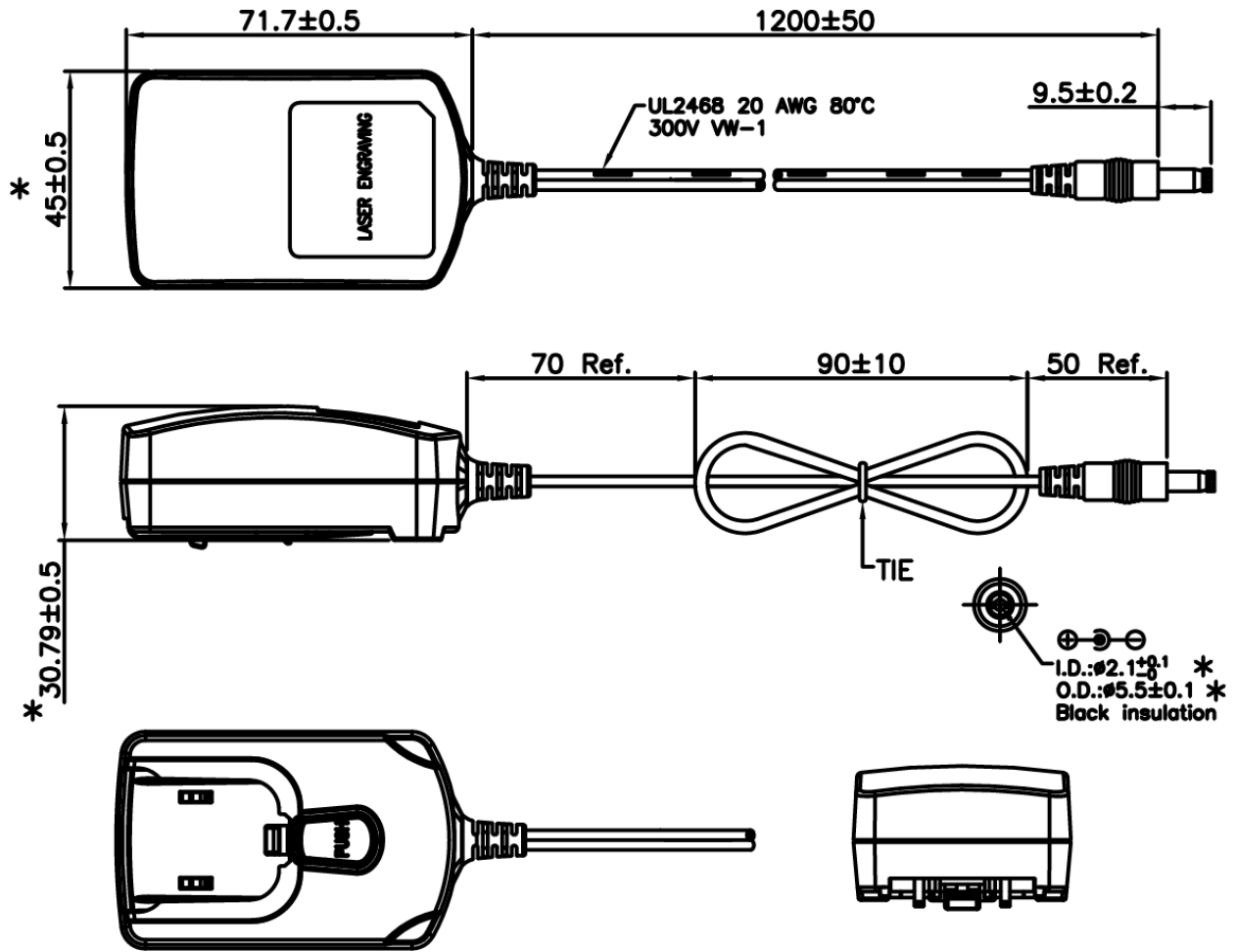
RPA – US
 RPB – Brazil
 RPC – China
 RPE – Europe
 RPH – Korea
 RPI – India
 RPK – UK
 RPN – Argentina
 RPS – Australia
 RPX – IEC320 C8

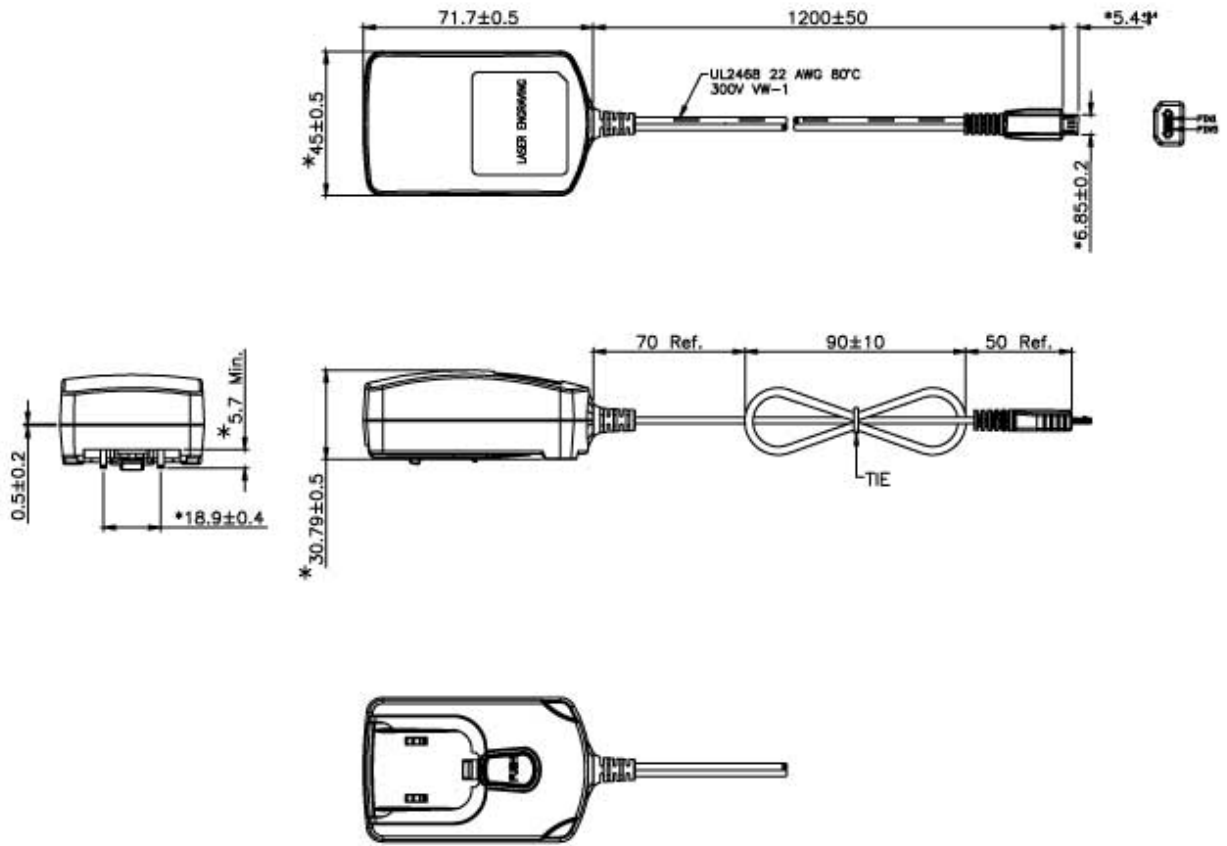
Notes:

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

PSM10R-050A-R

Dimension Diagram Unit: mm





Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

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NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.