



15W Interchangeable AC Clip Adapter

PSC15R-XXX-R Series

● DoE 6 & CoC V5 T1 ● Interchangeable AC Clip ● Cable ● Black



The 15W interchangeable AC clip adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 15W interchangeable AC clip adaptor series are designed to work with most 5V/5.9V/7.5V/9V powered devices and conforms to most of the industry standards and meets DoE level VI and CoC V5 tier 1 energy efficiency requirements, we ensure our products meet or exceed all the industry performance and safety requirements.

Features :

| | |
|----------------------------|--|
| Efficiency | DoE Level VI & CoC V5 Tier 1 (81.38% min) |
| No Load Input Power | ≤ 100mW @ 115/230Vac |
| Average Efficiency | 81.38% min @ 115Vac/60Hz, 230Vac/50Hz |
| Eff @ 10% load | 69.49% min @ 115Vac/60Hz, 230Vac/50Hz |
| Protection | SCP, OVP (7.5V), OCP (3.6A) |
| Turn-On Delay Time | <1s @ 120Vac, max load |
| Hold-up Time | >8ms @ 120Vac, max load |
| Rise Time | <100ms @ 120Vac, max load |
| Isolation | Primary to Secondary 3000Vac, 10mA for 1min. |
| Insulation | Primary to Secondary >500M ohm 500Vdc |
| DC Output Cable | 1500±50mm, UL 2468, AWG#18 |
| DC Output Connector | 5.5x2.1x10mm, center positive, straight barrel |
| Dimension | 71.5*50*33.5 (mm) |
| Weight | 115 ± 5 (g) |

Electrical Specifications :

| | |
|-----------------------------|--------------------------------------|
| Input Voltage | 100~240Vac (90~264Vac min/max) |
| Frequency | 50/60Hz Nom (47~63Hz min/max) |
| Input Current | 500mA (RMS) @ 120Vac max load |
| | 250mA (RMS) @ 230Vac max load |
| Output Voltage | 5V / 5.9V / 7.5V / 9V, ±5% |
| Maximum Output Power | 15W continuous |
| Output Current | 3A / 2.5A / 2A / 1.67A |
| Leakage Current | <0.25mA max |
| Inrush Current | <40A @ 120Vac/60Hz, 25°C, cold start |
| | <60A @ 230Vac/50Hz, 25°C, cold start |
| | |
| | |
| | |
| | |

Environmental Specifications :

| | |
|------------------------------|--------------------------------|
| Operating Temperature | 0°C ~ +40°C |
| Storage Temperature | -40°C ~ +85°C |
| Operating Humidity | 0% ~ 90% RH |
| Storage Humidity | 0% ~ 90% RH |
| E-Cap Lifetime | >5yrs @ 80% load, 35°C ambient |
| | |
| | |

Safety and Compliance :

| |
|---|
| UL/cUL60950-1, IEC60950-1, CE approval |
| EMC Emission: FCC Class B, EN55022 class B, EN61000-3-2 |
| ESD : Air ±8KV, Contact: ±6KV E61000-4-2, Criteria A |
| Surge: ±2kV (L-L), EN61000-4-5, Criteria A |
| RF: EN55024, Criteria A |
| EFT: EN61000-4-4, Criteria A |
| Voltage Dip: EN61000-4-11 |

Note:

- Measurements shall be made with an oscilloscope with 20MHz bandwidth. Output shall be bypassed at a connector with a 0.1uF ceramic capacitor and a 10uF low ESR electrolytic capacitor.
- Efficiency: Measure efficiency at 100%, 75%, 50%, 25% load after burn-in 30 minutes at 100% load, then compute the arithmetic average of these 4 values.
- Interchangeable AC clip: US, Brazil, CN, EU, Korea, UK, India, Argentina, Australia, IEC320 C8



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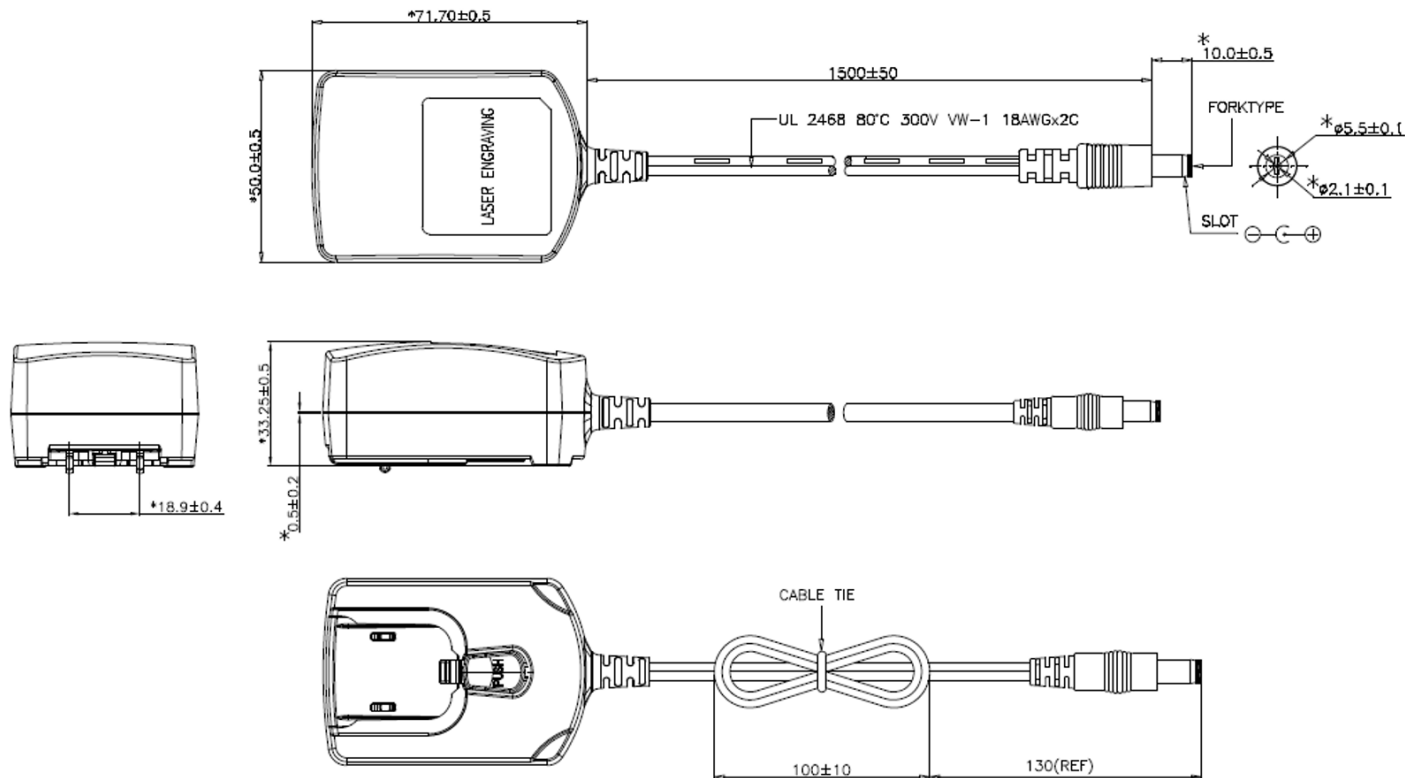
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Dimensions: mm



Model Selections

| Model Number | Output Voltage (Vdc) | Output Current (A \pm 5%) | Max. Output Power (W) | Output Ripple P-P (max) |
|--------------|----------------------|-------------------------------|-----------------------|-------------------------|
| PSC15R-050-R | 5 | 3 | 15 | 100mV |
| PSC15R-060-R | 6 | 2.5 | 15 | 100mV |
| PSC15R-075-R | 7.5 | 2 | 15 | 100mV |
| PSC15R-090-R | 9 | 1.67 | 15 | 120mV |

AC Clip Selections

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

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