



5V/20W Interchangeable Wall Plug Adapter



Features

- Double Insulated
- Field Changeable AC Plugs – Sold Separately
- US DoE Level VI Efficiency Compliance
- Ecodesign/ErP Lot 7 (EU) 2019/1782 Compliance
- EU CoC Ver 5 Tier 2 Compliance
- AS/NZS4665.1-2005+A1:2009, AS/NZS4665.2-2005+A1:2009 Compliance
- Class B EMI

Applications

- Peripherals
- Gaming Machines
- Point of Sales Equipment
- Network Equipment

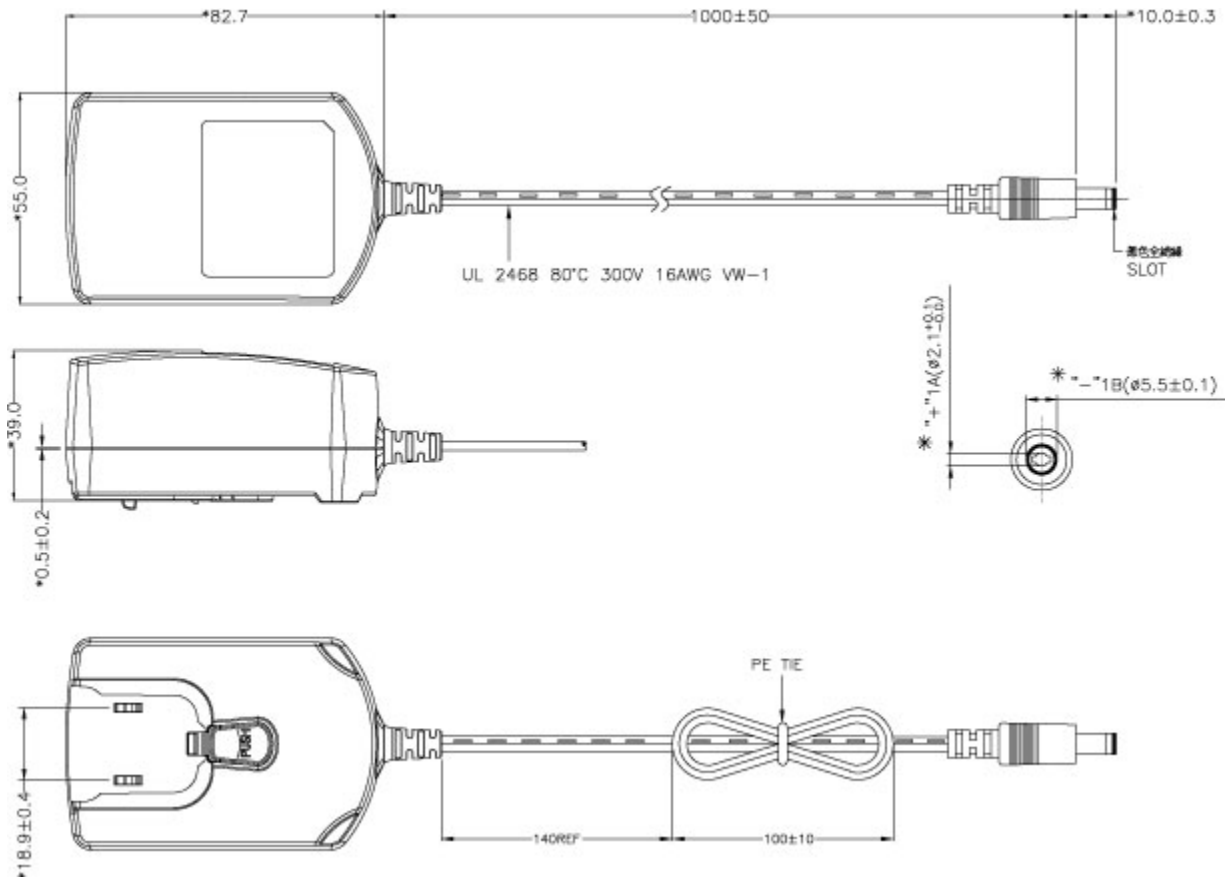


PSAA20R-050L6-R Specifications¹

| Model | | PSAA20R-050L6-R |
|--------------------------|---|---|
| Output | DC Output Voltage | 5.0V |
| | Max Current | 4.0A |
| | Output Power | 20.0W |
| | Regulation | ± 5% |
| | Ripple & Noise P-P(max) ² | 150mV |
| Input | AC Input Voltage Range | 90 to 264VAC |
| | AC Input Frequency | 47 to 63Hz |
| | Input Current | 0.8A (RMS) max @120Vac/max load 0.5A (RMS) max @240Vac/max load |
| | Inrush Current | 60A max @100VAC/max load 100A max @240VAC/max load |
| | No Load Power Consumption at 115VAC Input | 0.026W |
| | No Load Power Consumption at 230VAC Input | 0.072W |
| | 115VAC Average Efficiency ³ | 83.90% |
| | 230VAC Average Efficiency ³ | 83.63% |
| | 230VAC 10% Load Efficiency ³ | 76.88% |
| | Leakage Current | 0.25mA max |
| Protection | Over-Voltage | 10V max |
| | Short Circuit | The output can be shorted without damage. |
| | Over-Current | Short circuit. Auto restart. |
| Environmental | Operating Temperature | 0°C to +40°C |
| | Non-Operating Temperature | -20° to +75°C |
| | Operating Humidity | 20% to 90% |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT) | Primary to Secondary: 3000VAC or 4242VDC for 1min, 10mA |
| | Insulation Resistance | Primary to Secondary: >7M ohm for 500VDC |
| | Standards | cULus 62368-1, IEC 62368-1, AS/NZS 62368:2018 |
| | EMI Emissions | FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32, AS/NZS CISPR 32:2015, Class B Conducted and Radiated |
| | Harmonic Current Emissions | IEC 61000-3-2 |
| | Voltage Fluctuations & Flicker | IEC 61000-3-3 |
| | Immunity | EN 55035/CISPR 35: IEC 61000-4-2 (+/- 8kV air, +/-4kV contact), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/- 1kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 |
| Mechanical | Dimensions (L x W x H) | 82.7mm (3.26in) x 55.0mm (2.17in) x 39.0mm (1.54in) |
| | Weight | 180g |
| | AC Input Connector | Interchangeable Prong |
| | DC Cord Length | 1000mm |
| | Output Cable Type | 16 AWG |
| | DC Output Connector | 5.5mm x 2.1mm x 10.0mm |
| Notes | <ol style="list-style-type: none"> The specifications defined are at ambient temperature of 25°C, unless otherwise specified. 20MHz bandwidth frequency oscilloscope, add a 0.1µF multilayer Cap. and Low ESR Electrolytic Cap. (10µF) at output connector terminals (nominal line voltage, full load). Efficiency is measured after 30 minutes burn-in. | |



PSAA20R-050L6-R Outline Drawing





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


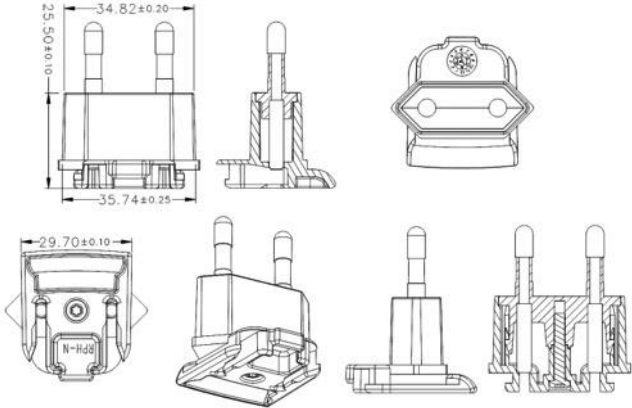

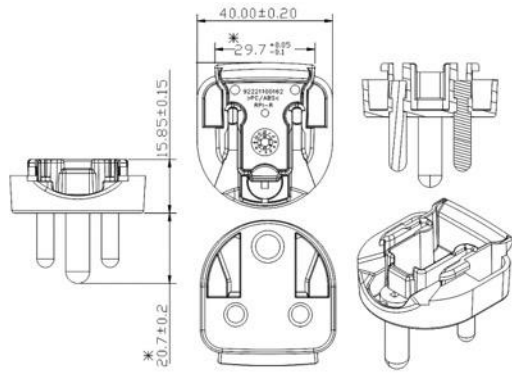

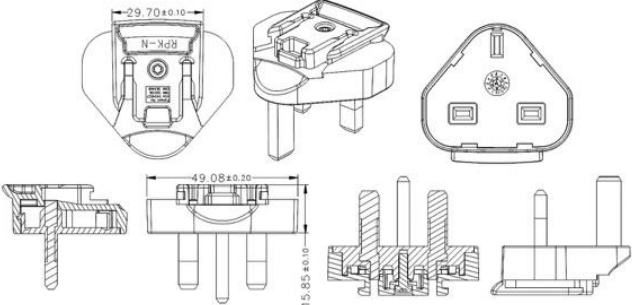

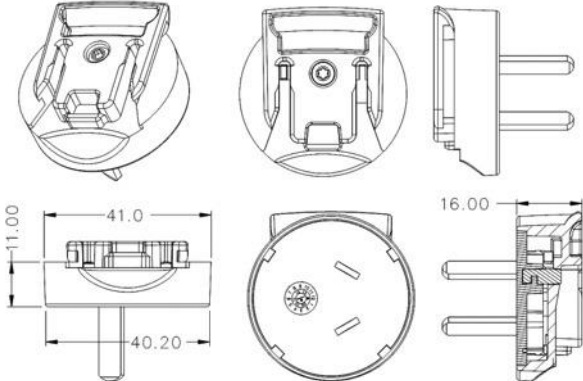
Phihong USA Corporation
47800 Fremont Boulevard
Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com


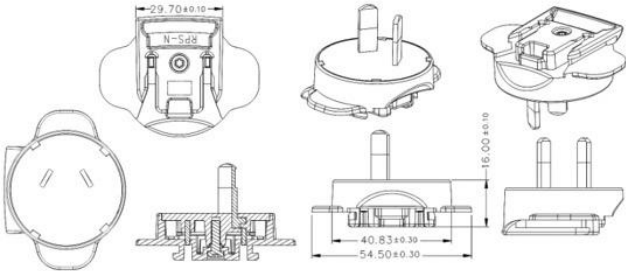

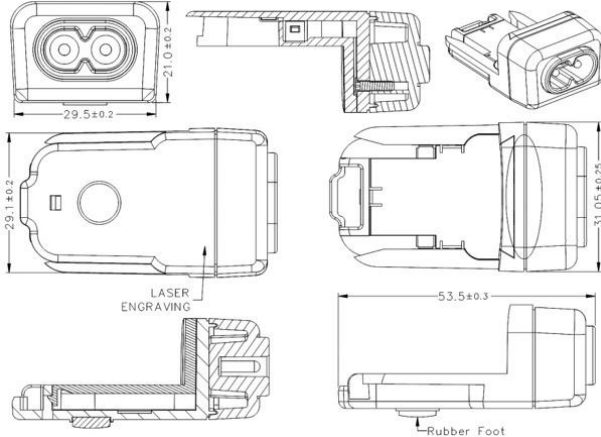

This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



AC Input Clips – Sold Separately

| Model | Photo | Description | Outline Drawing - mm |
|-------------|-------|-------------|----------------------|
| RPA-AB01B-H | | US Clip | |
| RPB-AB01B-H | | Brazil Clip | |
| RPC-AB01B-H | | China Clip | |
| RPE-AB01B-H | | Europe Clip | |

| Model | Photo | Description | Outline Drawing - mm |
|-------------|---|----------------|--|
| RPH-AB01B-H |  | Korea Clip |  |
| RPI-AB01B-H |  | India Clip |  |
| RPK-AB01B-H |  | UK Clip |  |
| RPN-AB01B-H |  | Argentina Clip |  |

| Model | Photo | Description | Outline Drawing - mm |
|---|---|----------------|---|
| RPS-AB01B-H |  | Australia Clip |  |
| RPX-03-R (approved for use in the EU, the UK, and Australia/New Zealand) |  | C8 Clip |  |
| RPBAG-AB01B-H | <p>RPA-R, RPE-N-R, RPK(NC)-R and RPS-N-R interchangeable clips in a plastic bag.</p>  | | |