



2.75W Wall Mount Adapter – AU/NZ



Features

- Fixed Blade AC Input
- Australian and New Zealand MEPS (Minimum Energy Performance Standards) Compliance
 - AS/NZS 4665.1:2005 + A1:2009
 - AS/NZS 4665.2:2005 + A1:2009
- Limited Power Source
- Class B EMI
- 3,048M Operating Altitude
- AA03S-050A(M)-R charging scheme: Data Lines (Pins 2 and 3) Shorted

Applications

- MPEG Players
- Personal Electronics
- PDAs
- Digital Cameras



AA03S Specifications¹

| Model | | AA03S-050A-R | AA03S-050A(M)-R ^{2.1, 2.2} |
|--------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Output | DC Output Voltage | 5.0V | 5.0V |
| | Max Current | 0.55A | 0.55A |
| | Output Power | 2.75W | 2.75W |
| | Regulation | ± 5% | ± 5% |
| | Ripple & Noise P-P(max) ³ | 150mV | 150mV |
| Input | AC Input Voltage Range | 90 to 264VAC | |
| | AC Input Frequency | 47 to 63Hz | |
| | Input Current | 100mA max | |
| | No Load Power Consumption at 115VAC Input | ≤0.1W | ≤0.1W |
| | No Load Power Consumption at 230VAC Input | ≤0.075W | ≤0.075W |
| | 115VAC Average Efficiency ⁴ | ≥69.0% | ≥69.0% |
| | 230VAC Average Efficiency ⁴ | ≥69.0% | ≥69.0% |
| | Leakage Current | <0.25mA max | |
| Protection | Over-Voltage | 7.5V max | |
| | Short Circuit | The output can be shorted without damage | |
| Environmental | Operating Temperature | 0°C to +40°C | |
| | Non-Operating Temperature | -25° to +75°C | |
| | Operating Humidity | 10 to +90% | |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT) | Primary to Secondary: 3000VAC for 1min, 10mA | |
| | Insulation Resistance | Primary to Secondary: >7M ohm for 500VDC | |
| | Standards | AS/NZS 62368.1:2018 AS/NZS 3112:2017 | |
| | EMI Emissions | AS/NZS CISPR 32:2015: Class B Conducted & Radiated | |
| | Harmonic Current Emissions | IEC 61000-3-2 | |
| | Voltage Fluctuations & Flicker | IEC 61000-3-3 | |
| | Immunity | EN 55024/CISPR 24, EN55035/CISPR 35: IEC 61000-4-2 (+/- 15kV air, +/- 8kV contact), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/- 2kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 | |
| Mechanical | Dimensions (L x W x H) | 74.9mm (2.95in) x 38.0mm (1.50in) x 27.2mm (1.07in) | |
| | Weight | 52g | |
| | Cable Length | 1500mm | |
| | DC Cable Type | 24 AWG | |
| | DC Output Connector | 2.1mm x 5.5mm x 9.5mm | USB Micro B |

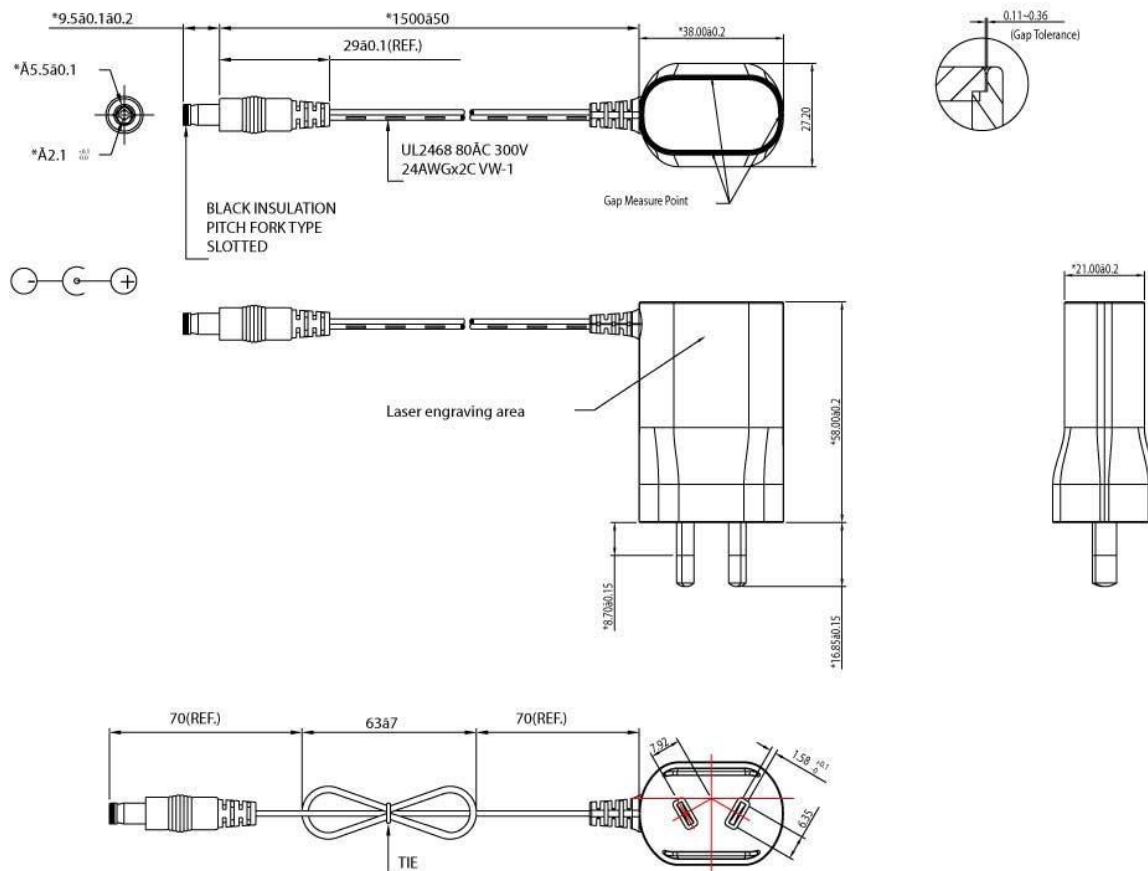
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| Model | | AA03S-075A-R | AA03S-090A-R |
|--------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Output | DC Output Voltage | 7.5V | 9.0V |
| | Max Current | 0.366A | 0.306A |
| | Output Power | 2.75W | 2.75W |
| | Regulation | ± 5% | ± 5% |
| | Ripple & Noise P-P(max) ³ | 150mV | 150mV |
| Input | AC Input Voltage Range | 90 to 264VAC | |
| | AC Input Frequency | 47 to 63Hz | |
| | Input Current | 100mA max | |
| | No Load Power Consumption at 115VAC Input | ≤0.1W | ≤0.1W |
| | No Load Power Consumption at 230VAC Input | ≤0.075W | ≤0.075W |
| | 115VAC Average Efficiency ⁴ | ≥73.8% | ≥73.8% |
| | 230VAC Average Efficiency ⁴ | ≥73.9% | ≥73.9% |
| | Leakage Current | <0.25mA max | |
| Protection | Over-Voltage | 10V max | 12.0V max |
| | Short Circuit | The output can be shorted without damage | |
| Environmental | Operating Temperature | 0°C to +40°C | |
| | Non-Operating Temperature | -25° to +75°C | |
| | Operating Humidity | 10 to +90% | |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT) | Primary to Secondary: 3000VAC for 1min, 10mA | |
| | Insulation Resistance | Primary to Secondary: >7M ohm for 500VDC | |
| | Standards | AS/NZS 62368.1:2018 AS/NZS 3112:2017 | |
| | EMI Emissions | AS/NZS CISPR 32:2015: Class B Conducted & Radiated | |
| | Harmonic Current Emissions | IEC 61000-3-2 | |
| | Voltage Fluctuations & Flicker | IEC 61000-3-3 | |
| | Immunity | EN 55024/CISPR 24, EN55035/CISPR 35: IEC 61000-4-2 (+/- 15kV air, +/- 8kV contact), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/- 2kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 | |
| Mechanical | Dimensions (L x W x H) | 74.9mm (2.95in) x 38.0mm (1.50in) x 27.2mm (1.07in) | |
| | Weight | 52g | |
| | Cable Length | 1500mm | |
| | DC Cable Type | 24 AWG | |
| | DC Output Connector | 2.1mm x 5.5mm x 9.5mm | |

| Model | | AA03S-120A-R |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output | DC Output Voltage | 12.0V |
| | Max Current | 0.229A |
| | Output Power | 2.75W |
| | Regulation | ± 5% |
| | Ripple & Noise P-P(max) ³ | 200mV |
| Input | AC Input Voltage Range | 90 to 264VAC |
| | AC Input Frequency | 47 to 63Hz |
| | Input Current | 100mA max |
| | No Load Power Consumption at 115VAC Input | ≤0.1W |
| | No Load Power Consumption at 230VAC Input | ≤0.075W |
| | 115VAC Average Efficiency ⁴ | ≥73.8% |
| | 230VAC Average Efficiency ⁴ | ≥73.9% |
| | Leakage Current | <0.25mA max |
| Protection | Over-Voltage | 18.0V max |
| | Short Circuit | The output can be shorted without damage |
| Environmental | Operating Temperature | 0°C to +40°C |
| | Non-Operating Temperature | -25° to +75°C |
| | Operating Humidity | 10 to +90% |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT) | Primary to Secondary: 3000VAC for 1min, 10mA |
| | Insulation Resistance | Primary to Secondary: >7M ohm for 500VDC |
| | Standards | AS/NZS 62368.1:2018 AS/NZS 3112:2017 |
| | EMI Emissions | AS/NZS CISPR 32:2015: Class B Conducted & Radiated |
| | Harmonic Current Emissions | IEC 61000-3-2 |
| | Voltage Fluctuations & Flicker | IEC 61000-3-3 |
| | Immunity | EN 55024/CISPR 24, EN55035/CISPR 35: IEC 61000-4-2 (+/- 15kV air, +/- 8kV contact), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/- 2kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 |
| Mechanical | Dimensions (L x W x H) | 74.9mm (2.95in) x 38.0mm (1.50in) x 27.2mm (1.07in) |
| | Weight | 52g |
| | Cable Length | 1500mm |
| | DC Cable Type | 24 AWG |
| | DC Output Connector | 2.1mm x 5.5mm x 9.5mm |
| Notes | <ol style="list-style-type: none"> The specifications defined are at ambient temperature of 25°C, unless otherwise specified. <ol style="list-style-type: none"> Special order item. Minimum quantity order applies. The charging scheme: Data Lines (Pins 2 and 3) Shorted. 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. | |



AA03S-xxxA Outline Drawing





AA03S-050A(M) Outline Drawing

