

Medical Adapter

MAM Series 90W Desktop Adapter Class I & 2



FEATURES

- Class I & 2, Universal Input: 100-240VAC
- Meet CEC/ Energy Star Level V/ Erp Stage 2
- No Load Power Consumption Less Than 0.5W
- Means of Protection: 2 X MOPP
- Touch Current < 100µA

MAM-J09X-□-26

O/P Voltage ← □ → 06 : C6 ; 08 : C8 ; 14 : C14 ; 18 : C18



| Model Number | Max. Output Power | Output Voltage | Min. Output Current | MAX. Output Current | Total Regulation | Ripple & Noise p-p ^(Note 2) | Efficiency |
|----------------|-------------------|----------------|---------------------|---------------------|------------------|--|------------|
| MAM-J093-□-26 | 90.00W | +12V | 0A | 7.50A | ±5% | 120mV | >87.0% |
| MAM-J094-□-26 | 90.00W | +15V | 0A | 6.00A | ±5% | 150mV | >87.0% |
| MAM-J0919-□-26 | 90.00W | +19V | 0A | 4.74A | ±5% | 190mV | >87.0% |
| MAM-J095-□-26 | 90.00W | +24V | 0A | 3.75A | ±5% | 240mV | >87.0% |
| MAM-J097-□-26 | 90.00W | +36V | 0A | 2.50A | ±5% | 360mV | >87.0% |
| MAM-J096-□-26 | 90.00W | +48V | 0A | 1.88A | ±5% | 480mV | >87.0% |

Note:

- 1) For ripple & noise measurement, use a 20MHz bandwidth frequency oscilloscope, and add a 0.1µF multilayer Cap, and a Low ESR Electrolytic Cap. (10 µF) at output connector terminals. (At nominal line voltage, Full Load)
- 2) Eff (av) = (E1+E2+E3+E4) / 4, E1=efficiency with 25% rated load; E2=efficiency with 50% rated load; E3=efficiency with 75% rated load; E4=efficiency with 100% rated load.

Standard Specification

| Parameter | Conditions/Description | Min. | Nom. | Max. | Units |
|---------------------------|---|------|------|------|-------|
| Input Voltage | Continuous input voltage. | 100 | | 240 | VAC |
| Input Frequency | Continuous input frequency. | 50 | | 60 | Hz |
| Hold Up Time | Full load. | 10 | | | ms |
| Input Current | Nominal AC Input Voltage (115VAC/230VAC), rated load. | 0.5 | | 1.20 | A |
| Inrush Current | Input voltage 230Vac. Cold start at 25°C, full load. | | | 80 | A |
| No-load power consumption | Nominal AC Input Voltage | | | 0.5 | W |

| Safety Approvals | UL, cUL, ANSI/AAMI ES60601-1 | Approved | | | |
|--------------------------|---|----------|--|-----|-------|
| Hi-Pot | Primary to Secondary (for 1 minute) | 4000 | | | VAC |
| | Cut off current | | | 10 | mA |
| EMI | CE / FCC Class B ; Conduction & Radiation Design to Meet. | B | | | Class |
| Operating Temperature | | +0 | | +40 | °C |
| Storage Temperature | | -20 | | +80 | °C |
| Operating Humidity Range | Non-condensing. | 20 | | 80 | %RH |
| Storage Humidity Range | Non-condensing. | 10 | | 90 | %RH |

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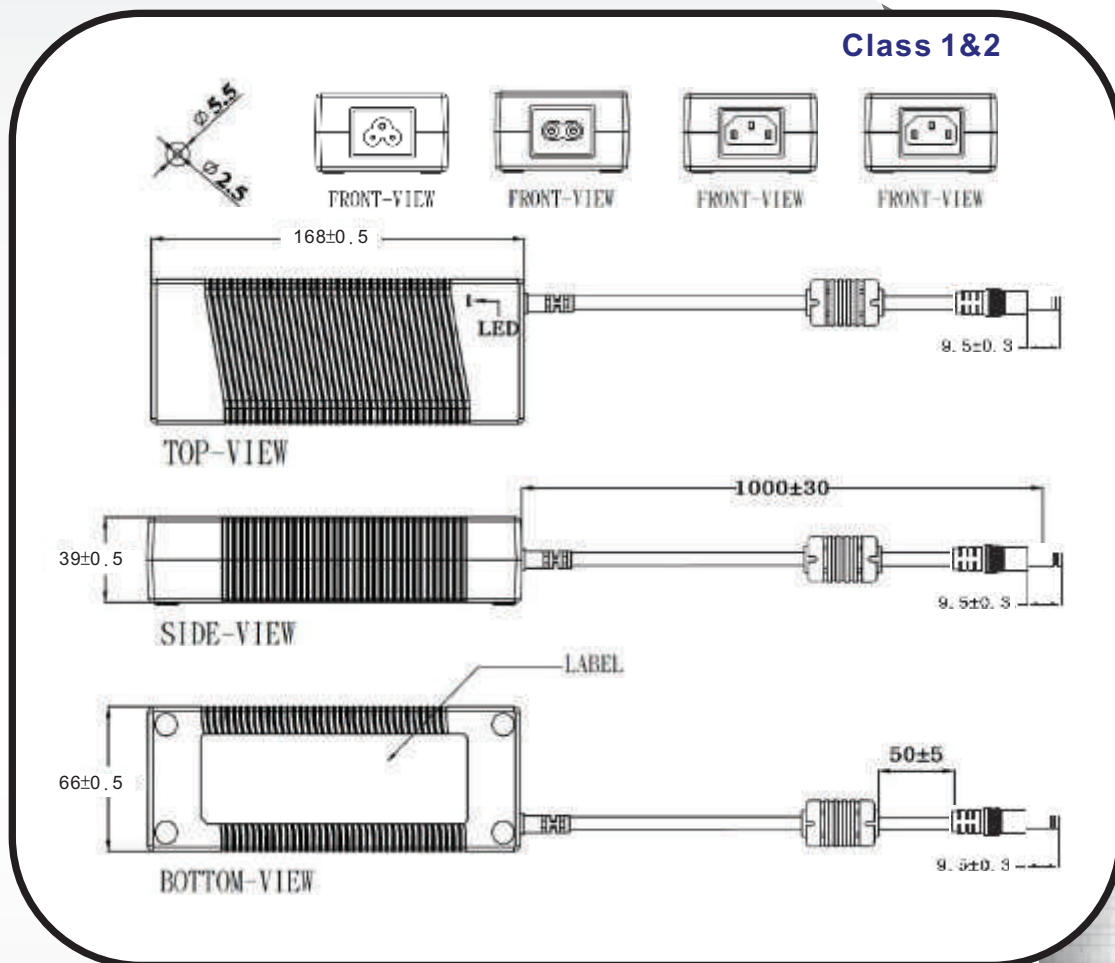


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Protection

| | |
|--------------------------|---------------|
| Over Voltage Protection | Latch Off |
| Short Circuit Protection | Auto Recovery |
| Over Current Protection | Auto Recovery |

Mechanical scale: mm



| | |
|--------------|-------------------|
| Cable length | 1500±30mm (note*) |
| Weight | 600g (Ref.) |

Note: The cable length of MAE-J113-06-80, MAE-J113-14-80 is 1000±30 mm.

Options

| | |
|---------------|---|
| O/P connector | 5.5 X 2.5 X 9.5 mm ; Straight/Inner+ Outer- ; Cannelure |
|---------------|---|

Note: The output connector could be customized, but for special connector we have MOQ limit.