

# Medical Adapter



MAM Series 30W Desktop Adapter Class I & 2

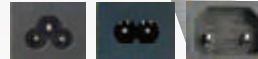
## FEATURES

- Class I & 2, Universal Input: 100-240VAC
- Meet CEC/ Energy Star Level V/ Erp Stage 2
- No Load Power Consumption Less Than 0.3W
- Means of Protection: 2 X MOPP
- Touch Current < 100µA

MAM-□03X-□-23

A: Class 1  
C: Class 2

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



| Model Number    | Max. Output Power | Output Voltage | Min. Output Current | MAX. Output Current | Total Regulation | Ripple & Noise p-p <sup>(Note 2)</sup> | Efficiency |
|-----------------|-------------------|----------------|---------------------|---------------------|------------------|--|------------|
| MAM-□032-□-23   | 20.00W            | +5V            | 0A                  | 4.00A               | ±6%              | 50mV                                   | >78.5%     |
| MAM-□03051-□-23 | 25.00W            | +5V            | 0A                  | 5.00A               | ±6%              | 50mV                                   | >80.2%     |
| MAM-□03075-□-23 | 30.00W            | +7.5V          | 0A                  | 4.00A               | ±5%              | 70mV                                   | >83.6%     |
| MAM-□0309-□-23  | 30.00W            | +9V            | 0A                  | 3.34A               | ±5%              | 90mV                                   | >83.6%     |
| MAM-□033-□-23   | 30.00W            | +12V           | 0A                  | 2.50A               | ±5%              | 120mV                                  | >83.6%     |
| MAM-□034-□-23   | 30.00W            | +15V           | 0A                  | 2.00A               | ±5%              | 150mV                                  | >83.6%     |
| MAM-□0318-□-23  | 30.00W            | +18V           | 0A                  | 1.67A               | ±5%              | 180mV                                  | >83.6%     |
| MAM-□035-□-23   | 30.00W            | +24V           | 0A                  | 1.25A               | ±5%              | 240mV                                  | >83.6%     |
| MAM-□037-□-23   | 30.00W            | +36V           | 0A                  | 0.84A               | ±5%              | 360mV                                  | >83.6%     |

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. | 0.45 |      | 0.70 | A     |
| Inrush Current            | Input voltage 230Vac. Cold start at 25°C, full load.  |      |      | 60   | A     |
| No-load power consumption | Nominal AC Input Voltage                              |      |      | 0.3  | 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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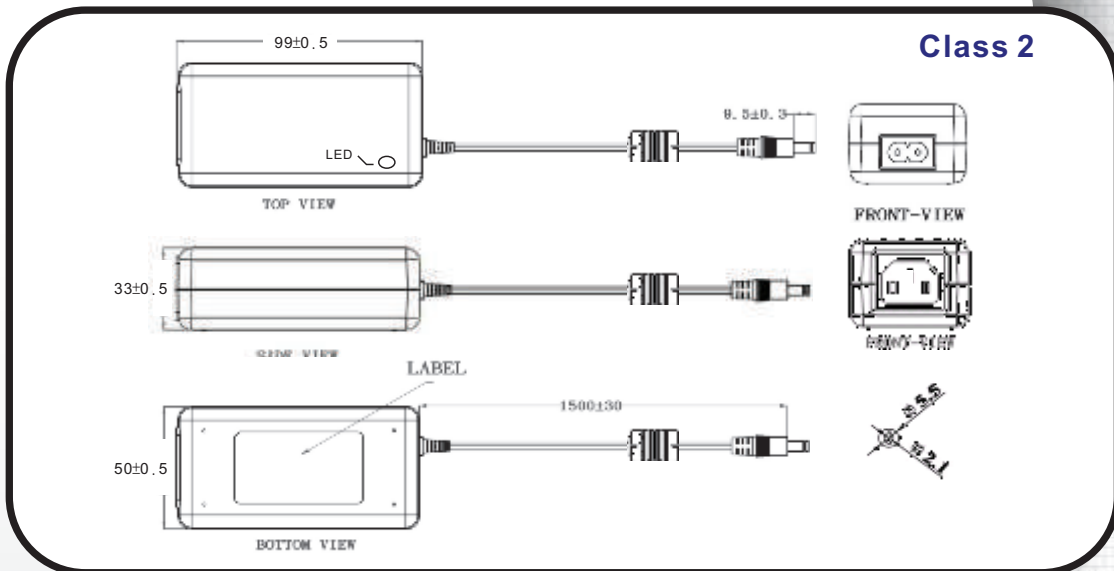
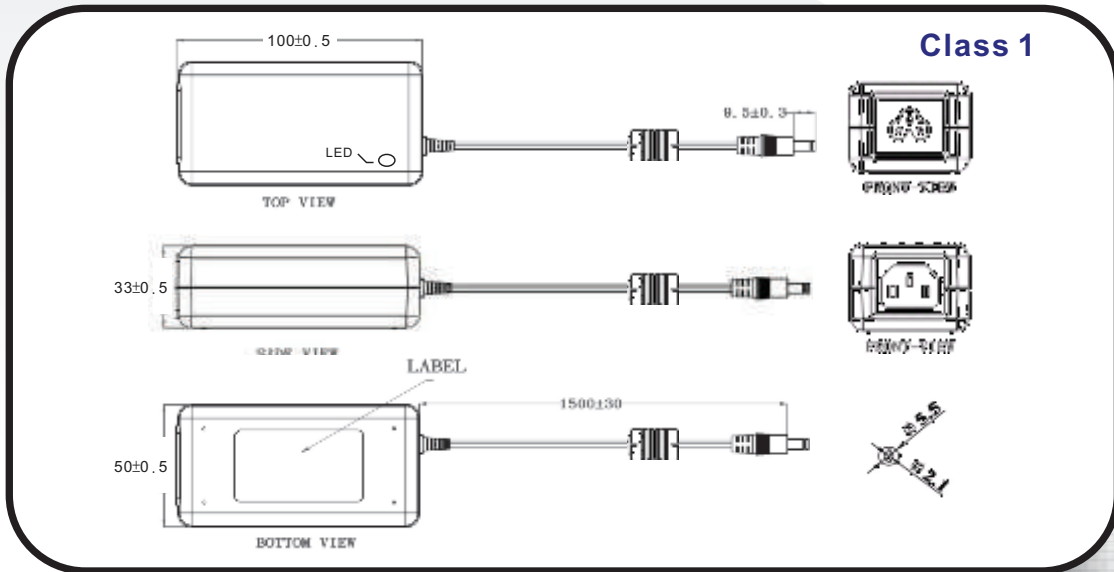


## MAM Series 30W Desktop Adapter Class I & 2

### Protection

|                          |               |
|--------------------------|---------------|
| Over Voltage Protection  | Shutdown      |
| Short Circuit Protection | Auto Recovery |
| Over Current Protection  | Auto Recovery |

### Mechanical scale: mm



|              |             |
|--------------|-------------|
| Cable length | 1500±30mm   |
| Weight       | 200g (Ref.) |

### Options

|               |   |
|---------------|---|
| O/P connector | 5.5 X 2.1 X 9.5 mm ; Straight/Inner+ Outer- ; Tuning Fork & Cannelure |
|---------------|---|

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