



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MENB1060

Universal Input 60 Watt Series



Medical Switch-Mode Power Supply

3 Year Warranty

- 100-240VAC Universal Input
- Meets EISA2007, CEC Efficiency Level V, EU (EC) No 278/2009 Phase II
- Certified to UL/EN60601-1
- Desktop Style
- 5V to 24V Single Output Models, up to 60W
- Modified and Custom Designs Available
- Regulated Output with Low Ripple
- Impact-Resistant Polycarbonate Enclosure
- No Load Power Consumption <0.5W



Specifications

All Specifications are typical at nominal input, full load at 25°C unless otherwise stated.

| | | | |
|-------------------------------------|--|---------------------------------|---|
| AC Input | 100-240Vac, +/-10%, 47-63 Hz, 1Ø | MTBF | >100,000 hours (calculated) |
| Input Current | 100VAC: 1.5A max | Hold-up Time | 18 ms min. @ 115Vac, 60 ms min. @ 240 Vac |
| Inrush Current | 60 A peak, 264 V, cold start | Overload Protection | Hiccup Mode |
| Input Fuse | 2.0A, 250V Internal Primary Current Fuse is provided | Short Circuit Protection | Hiccup Mode |
| Efficiency | Meets EISA2007, CEC Efficiency Level V, EU (EC) No 278/2009 Phase II | Topology | Switching – Fixed Frequency Flyback |
| Output Voltage | See chart | Safety Standards | EN/IEC/CSA/UL60601-1 |
| Output Power | See chart | EMC | See chart below |
| Ripple and Noise | 1% pk-pk max., 20MHz BW | Dielectric Withstand | Input-Output: 5,656Vdc, Input-GND: 1,500 Vac, Output-GND: 500Vdc |
| Line/Load Voltage Regulation | Line: +/- 1%, Load: +/-5% | Operating Temperature | 0° to 40°C, no derating |
| Transient Response | 500µs max., 50% load step, typical | Storage Temperature | -30 to +85°C |
| Minimum Load | Not required | Relative Humidity | 5% to 95%, non-condensing |
| Case Material | Black 94V0 Polycarbonate | Altitude | 0 to 10,000 ft |
| Case Dimensions | See outline drawing | Output Cable | 5V – 9V models: #18AWG (UL2464), 1,200mm, 4 conductor 12V – 15V models: #18AWG (UL2464), 1,500mm, 4 conductor 18V – 24V models: #18AWG (UL2464), 1,500mm, 2 conductor |
| Weight | 400g | Output Connector | 5V model: Molex 39-01-2060 or equiv. (Ault #51) Other models: 2.5mm barrel type (Ault #3), center contact positive (+) |

EMC Specifications

| | |
|--|---|
| Conducted Emissions | EN55011 Class B, FCC Part 15, Class B. |
| Radiated Emissions | EN55011 Class B, FCC Part 15, Class B. |
| Line Frequency Harmonics | EN61000-3-2, Class A |
| Voltage Fluctuations/Flicker | EN61000-3-3 |
| Static Discharge Immunity | EN61000-4-2, 6kV Contact Discharge, 8kV air discharge |
| Radiated RF Immunity | EN61000-4-3, 3V/m. |
| EFT/Burst Immunity | EN61000-4-4, 2kV/5kHz. |
| Line Surge Immunity | EN61000-4-5, 1kV differential, 2kV common-mode |
| Conducted RF Immunity | EN61000-4-6, 3Vrms |
| Power Frequency Magnetic Field Immunity | EN61000-4-8, 3A/m |
| Voltage Dip Immunity | EN61000-4-11, Criteria A |

MENB1060

Universal 60 Watt Series



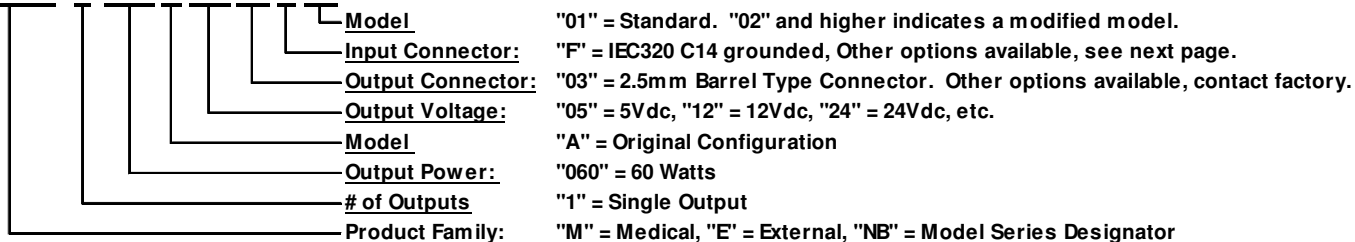
Medical Switch Mode Power Supply

3 Year Warranty

| Model Number | Volts (V) | Output Current (max) | Max Watts | Ripple (Vp-p max) |
|------------------|-----------|----------------------|-----------|-------------------|
| MENB1060A0551F01 | 5 V | 7.00 A | 35.0 W | 50mV |
| MENB1060A0903F01 | 9 V | 6.00 A | 54.0 W | 90mV |
| MENB1060A1203F01 | 12 V | 5.00 A | 60.0 W | 120mV |
| MENB1060A1503F01 | 15 V | 4.00 A | 60.0 W | 150mV |
| MENB1060A1803F01 | 18 V | 3.40 A | 61.2 W | 180mV |
| MENB1060A2403F01 | 24 V | 2.70 A | 64.8 W | 240mV |

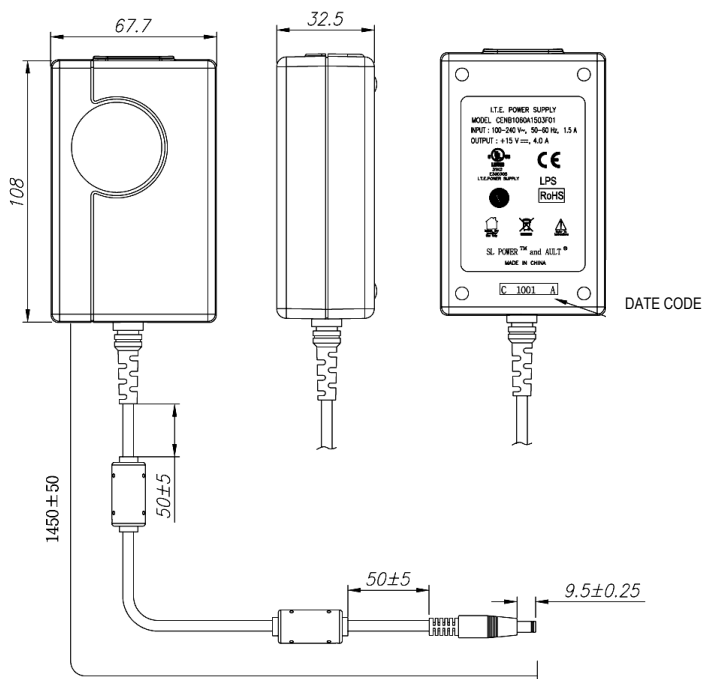
Model Number Key

MENB 1 060 A VV 03 F 01



| Input Receptacle Options | | | Output Connector | Output Connector (5V Model) |
|-------------------------------|---------------------------------|------------------------------|--------------------------------|-----------------------------|
| | | | | |
| IEC320 C14 Grounded (F) | IEC320 C18 Ungrounded (Q) | IEC320 C8 "Shaver" (N) | 3 | 51 |
| | | | Pins 1,4 = (+), Pins 3,6 = (-) | |

Outline Drawing



Dimensions are in mm (Cable length is 1200mm on 5V thru 12V models)