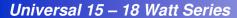
### **MW172KB**



### Medical Switch-Mode Power Supply

### 3 Year Warranty

- ·100-240VAC Universal Input
- ·Desktop and Wall-Plug Style with Interchangeable Blades\* (Kit sold separately)
- •3.3V to 24V Single Output Models, up to 18W
- ·Modified and Custom Designs
- ·Regulated Output with Low Ripple
- ·Impact-Resistant Polycarbonate Enclosure
- •No load Power Consumption < 0.50W
- •Designed to meet EISA Requirements (see page 3 for details).





International Safety Standard Approvals







Voltage Regulation Load: +/-5% Flyback  Efficiency Designed to meet EISA Requirements - see page			
Line and Load Excluding Cord Line: +/-1% Topology Switching - Fixed Frequency Flyback  Voltage Regulation Load: +/-5% Efficiency Designed to meet EISA  Ripple 1% Vp-p max. Requirements - see page			
Ripple 1% Vp-p max. Requirements - see page	Switching - Fixed Frequency Flyback		
<b>πιρρι</b> ε 17% νρ-μ πιαχ.			
Transient December 0 FmC for F00/ Load Change	ge 3		
Transient Response 0.5mS for 50% Load Change, typical.  Hold-up Time @ 115VAC 18mS, min.			
ProtectionOvercurrent Protection (Hiccup).Dialectric Withstand4,000VAC or 5,656VDG Primary-Secondary; 1,500VAC or 2,150VDG Primary - F.G;	1,500VAC or 2,150VDC Primary - F.G;		
Input Specifications 500VDC Secondary - F	·.G.		
Input Voltage Range Universal Input 100-240VAC, -10%, +10% Storage Temp30° C to 85° C			
The same and	UL60601-1 IEC/EN60601-1 EMC: EN60601-1-2/		
I ine Frequency 4/-63H7			
Input Current 90 VAC 0.4A, max. EN55024			
	100,000 Calculated Hours		
Inrush Limiting Case and Desktop Style:			
Environmental Specifications  Dimensions  3.3"L x 1.81"W x 1.26"  84.6mm L x 46mm W x			
Thermal Operating Temperature 0° C to 40° C	COOMMI		
Performance full load, no derating, Case Material Black 94V0 Polycarbon	nate		
	18AWG, 1,800mm 2 conductor. (5V, 6V model: 1,500mm). Ault #3 connector. Other connectors are available.		
Altitude 0 to 10,000 feet available.			

# **MW172KB**



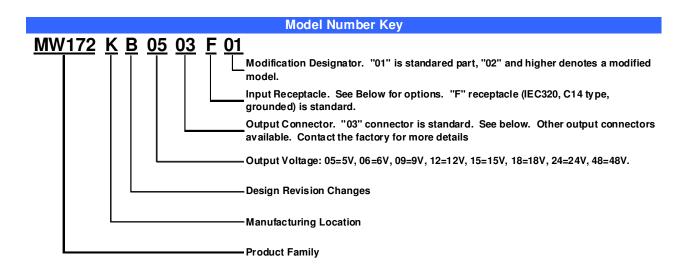
### Universal 15-18 Watt Series

### Medical Switch Mode Power Supply

### 3 Year Warranty

OUTPUT PARAMETERS									
Model Number	Volts (V)	Output Current (max)	Max Watts	Ripple (Vp-p max)					
MW172KB0503F01	5 V	3.00 A	15.0 W	50mV					
MW172KB0603F01	6 V	2.50 A	15.0 W	60mV					
MW172KB0903F01	9 V	2.00 A	18.0 W	90mV					
MW172KB1203F01	12 V	1.50 A	18.0 W	120mV					
MW172KB1503F01	15 V	1.20 A	18.0 W	150mV					
MW172KB1803F01	18 V	1.00 A	18.0 W	180mV					
MW172KB2403F01	24 V	0.75 A	18.0 W	240mV					

Note: Part numbers above include #3 output connector and IEC320 C14 grounded input receptacle. See below for other options.



Input Receptacle Options									
DESKTOP OPTIONS			WALL-PLUG OPTIONS						
••		$\boxed{\bullet}$			$\overline{\bullet}$		••		
IEC 320	IEC320	IEC320	N. America	N. America	Europe	United	Australia		
C14	C18	C8	Japan	Japan		Kingdom			
Grounded	Ungrounded	"Shaver"	Interchangeable	Fixed	Fixed	Fixed	Fixed		
(F)	(Q)	(N)	(B)	(C)	(M)	(G)	(E)		

Notes: 1. For Desktop options, choose the applicable letter above.

- 2. For Wall-plug options, choose the applicable letter above. The model will then be fitted only with the receptacle chosen. The North American blade version (B) will be an interchangeable blade. The other options (C), (M), (G), and (E), will be fixed blades molded in the case.
- 3. Blade Kit is available which will include one each of a EU, UK, and Aust blade. Kit part number is KT1027K. Can be used with (B) version only, to allow blades to be interchanged.

## MW170KB





### Medical Switch Mode Power Supply

### 3 Year Warranty

#### 2007 Energy Independence and Security Act - EISA

The Energy Independence and Security Act of 2007 was passed in December of 2007 and addresses minimum efficiency standards and standby levels for Class A external power supplies that are 250 Watts and under. This law stipulates that external power supplies manufactured on July 1, 2008 and beyond meet certain minimum efficiency and standby criteria as defined below.

### Minimum Efficiency Criteria:

Active mode is defined as when a power supply's input is connected to a line voltage AC and it's output is connected to a DC or AC load, drawing a portion of the product's power output. Depending upon the power rating for the power supply, it must meet the minimum efficiency criteria outlined below.

### **Energy-Efficiency Criteria for Active Mode:**

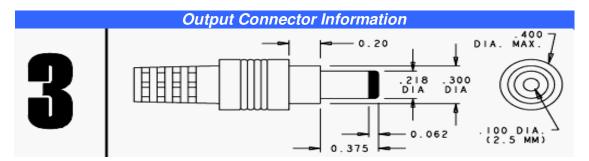
Output Power on Adapter Label
0 to < 1 Watt
> 1 watt to ≤ 51 watts
> 51 watts

Minimum Average Efficiency Percentage  $\geq 0.50$  \* output power on the label  $\geq [0.09$  \* Ln (output power on adapter label)] + 0.50  $\geq 0.85$ 

#### **Energy Consumption Criteria for No Load Mode:**

The power supply must also meet a requirement for when its input is connected to line voltage AC but its output is not connected to a load. Depending upon the power output of the supply, it must keep its energy consumption below the following values:

Output Power on Adapter Label 0 to < 250 Watts <u>Maximum Power Consumption in No-Load Mode</u> ≤ 0.50 watts



### Notes:

- 1. Center Contact = Positive
- 2. Connector is Switchcraft 760 plug or equivalent.
- 3. Suggested Mating Connector is Switchcraft 712A jack or equivalent.
- 4. Other output connector options are available. Contact your local representative for details.

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