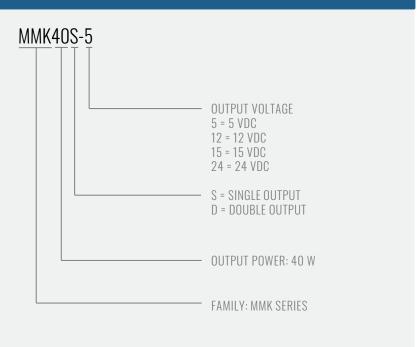




### MEDICAL GRADE 40 WATT ENCLOSED SWITCHING POWER SUPPLIES

### **HOW TO ORDER**





CB (E



### **UNIVERSAL INPUT VOLTAGE**

90-264 VAC: (110-240VAC Nominal.)

#### **OUTPUT RANGE**

40 Watts Output

#### **OPERATING TEMPERATURE**

0 to +60°C (See Derate)

#### **SAFETY APPROVALS**

UL/cUL: ANSI/AAMI ES60601-1 3rd ed. CSA C22.2 No. 60601-1 3rd ed. UL-EU: EN60601-1 3rd ed. CB: IEC60601-1 3rd ed.

CE: EN60601-1-2

#### **HIGH EFFICIENCY**

#### **ISOLATION**

5656 VDC

#### **FULL EMI FILTERING**

#### CONSTRUCTION

**Enclosed** 





### MEDICAL GRADE 40 WATT ENCLOSED SWITCHING POWER SUPPLIES

PARAMETERS MMK40S

PARAMETERS	MIMN4US		
Input Voltage, Nominal	90-264 VAC; (110-240VAC Nominal.)		
Frequency Range	47-63 Hz		
Inrush Current, typ:	20A @ 115VAC Input <b>*</b> 40A @ 230VAC Input <b>*</b>		
Leakage Current	<0.3mA @ 240VAC, 50Hz		
Voltage and Current	See Selection Chart		
Load Regulation	5V: ± 2% of FS, typ		
(0% to 100% Load)	All Others: ± 0.5%, typ		
Line Regulation	± 0.5, typ		
Preset Accuracy	1%, typ		
DC Voltage Adjust (typ)	± 6% of FS		
Temperature Coefficient	+/-0.03%/°C		
Ripple/Noise	See Selection Chart		
Over Voltage Protection	145% max. auto-recovery *		
Short Circuit Protection	Auto-recovery		
Hold Up Time	16mS, typ (Nom I/P, FL)		
Turn On Time	≤ 1.0 sec, typ		
Rise Time	≤ 20 msec, typ		
Over/Under Shoot	< 10% of FS		
Leakage Current	≤ 0.3 mA @ 240VAC, 50 Hz		
Isolation	I/P-O/P: 5656VDC I/P-Ground: 2121VDC O/P-Ground: 707VDC		
Efficiency	80%, typ 5V:74%		
Safety	UL/cUL: ANSI/AAMI ES60601-1 3rd ed. CSA C22.2 No. 60601-1 3rd ed. UL-EU: EN60601-1 3rd ed. CB: IEC60601-1 3rd ed. CE: EN60601-1-2		
Oper. Temperature	0 to +60°C (See Derate)		
Storage Temperature	-25 to +85°C *		
Relative Humidity	10% to +95%, non-cond *		
EMI (Designed to Meet)	EN55011, Class B		
МТВГ	100 kHrs Mil Std 217, 25°C		
Size	4.75" x 2.5" x 1.5"		
Construction	Enclosed		
Weight	9.6 oz, (272g)		

All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

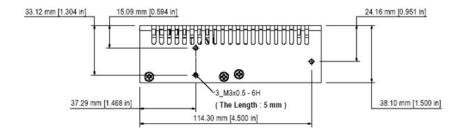
<sup>\*</sup> These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long-term reliability. Proper operation under conditions other than standard conditions is neither warranted nor implied.

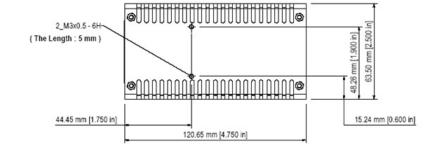


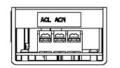


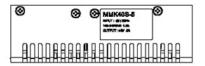
## MEDICAL GRADE 40 WATT ENCLOSED SWITCHING POWER SUPPLIES

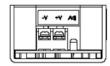
### MECHANICAL DIMENSION











#### **PLEASE NOTE:**

To improve specifications and safety isolation, connection designations may have changed from prior revisions. Please verify connections per product labels on input and output connections before applying power to the unit

Note: For our M3 x 0.5 aluminum threaded holes:

Recommended torque: 2.5 in-lbs, 3 in-lbs maximum (2.9 kgf-cm/3.5 kgf-cm max)

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT AMPS (MAX)	RIPPLE/NOISE PP,TYP
MMK40S-5	5 VDC	8	50 mv
MMK40S-12	12 VDC	3.5	120 mv
MMK40S-15	15 VDC	2.8	150 mv
MK40S-24	24 VDC	1.8	240 mv





## MEDICAL GRADE 40 WATT ENCLOSED SWITCHING POWER SUPPLIES

## **OUTPUT DERATING CURVE**

