



2.5"W x 4.75"L x 1.5"H

- Universal 90-264VAC Input
- Compact Footprint
- High Efficiency
- Regulated Outputs
- 5656VDC Isolation
- Built in EMI Filter



Model Number	Output Voltage	Output Amps (max)	Ripple/Noise pp,typ
MMK40S-5	5 VDC	8	50mv
MMK40S-12	12 VDC	3.5	120mv
MMK40S-15	15 VDC	2.8	150mv
MK40S-24	24 VDC	1.8	240mv

**INPUT SPECIFICATIONS**

Input Voltage Range	90-264 VAC; (110-240VAC Nominal.)
Frequency Range	47-63 Hz
Inrush Current, typ:	20A @ 115VAC Input * 40A @ 230VAC Input *
Leakage Current	<0.3mA @ 240VAC, 50Hz

**OUTPUT SPECIFICATIONS**

Voltage and Current	See Selection Chart
Load Regulation	5V: $\pm 2\%$ of FS, typ (0% to 100% Load) All Others: $\pm 0.5\%$ , typ
Line Regulation	$\pm 0.5$ , typ
Preset Accuracy	1%, typ
DC Voltage Adjust (typ)	$\pm 6\%$ of FS
Temperature Coefficient	$\pm 0.03\%/^{\circ}\text{C}$
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	$\leq 1.0$ sec, typ
Rise Time	$\leq 20$ msec, typ
Over/Under Shoot	< 10% of FS
Leakage Current	$\leq 0.3$ mA @ 240VAC, 50 Hz

**GENERAL SPECIFICATIONS**

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

**ENVIRONMENTAL SPECIFICATIONS**

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
MTBF	100 kHrs Mil Std 217, 25°C

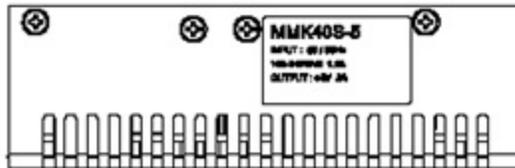
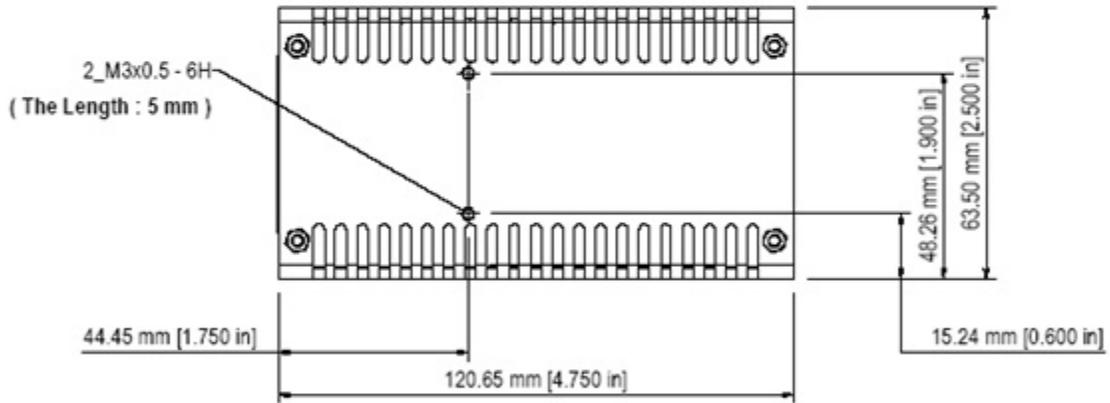
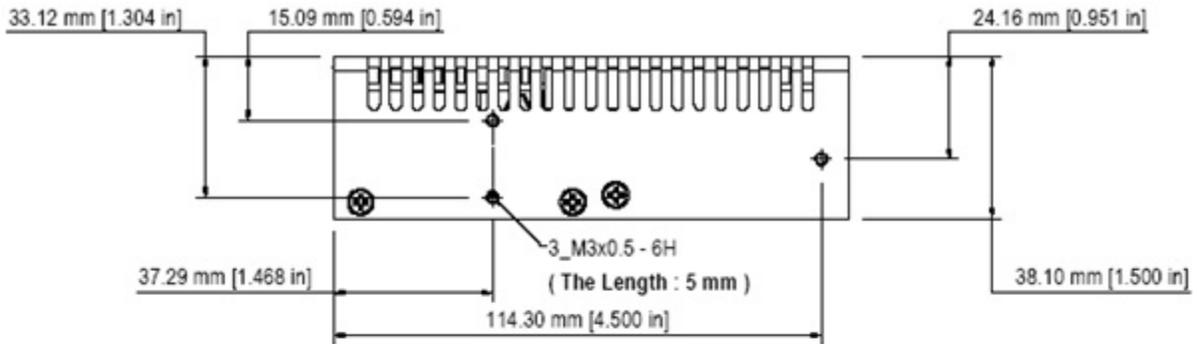
**PHYSICAL SPECIFICATIONS**

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*

\* 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 the standard operating conditions is neither warranted nor implied.

**MECHANICAL DIMENSIONS**



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 prior to 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)

**OUTPUT DERATING CURVE**

