



3"W x 5"L x 1.7"H

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



| <u>Model Number</u> | <u>Output Voltage</u> | <u>Output Amps (max)</u> | <u>Ripple/Noise pp,typ</u> |
|---------------------|-----------------------|--------------------------|----------------------------|
| MK75S-12            | 12 VDC                | 6.25                     | 120mv                      |
| MK75S-15            | 15 VDC                | 5                        | 150mv                      |
| MK75S-24            | 24 VDC                | 3.13                     | 240mv                      |

**INPUT SPECIFICATIONS**

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

**OUTPUT SPECIFICATIONS**

|                            |                            |
|----------------------------|----------------------------|
| Voltage and Current        | See Selection Chart        |
| Load Regulation (20%-100%) | ± 1%, typ                  |
| Line Regulation            | ± 0.5%, typ                |
| Voltage Tolerance          | ± 1%, typ                  |
| DC Voltage Adjust (typ)    | 6% of FS, typ              |
| Temperature Coefficient    | ± 0.03%/°C                 |
| Ripple/Noise               | 1% Pk-Pk, typ              |
| Over Voltage Protection    | 130% max. Auto recovery *  |
| Over Current Protection    | 150% max., Auto-recovery * |
| Short Circuit Protection   | Auto-recovery              |
| Hold Up Time               | 20mS, typ (Nom I/P, FL)    |
| Turn On Time               | ≤ 1.0 sec, typ             |
| Rise Time                  | ≤ 25 msec, typ             |
| Over/Under Shoot           | < 10% of FS                |

**GENERAL SPECIFICATIONS**

|                |   |
|----------------|---|
| Isolation      | I/P-O/P: 5656VDC<br>I/P-Ground: 2121VDC<br>O/P-Ground: 707VDC |
| Efficiency     | 82%, typ 24V: 84%   |
| Safety UL/cUL: | UL60950-1 2nd ed./<br>C22.2 60950-1 2nd ed.                   |
| CB:            | IEC60950-1 2nd ed.  |
| MTBF           | 100,000 Hours   |

**ENVIRONMENTAL SPECIFICATIONS**

|                        |                          |
|------------------------|--------------------------|
| Oper. Temperature      | 0 to +60°C(see derate)   |
| Storage Temperature    | -25 to +71°C *           |
| Relative Humidity      | 10% to + 95%, non-cond * |
| EMI (Designed to Meet) | EN55011, Class B         |

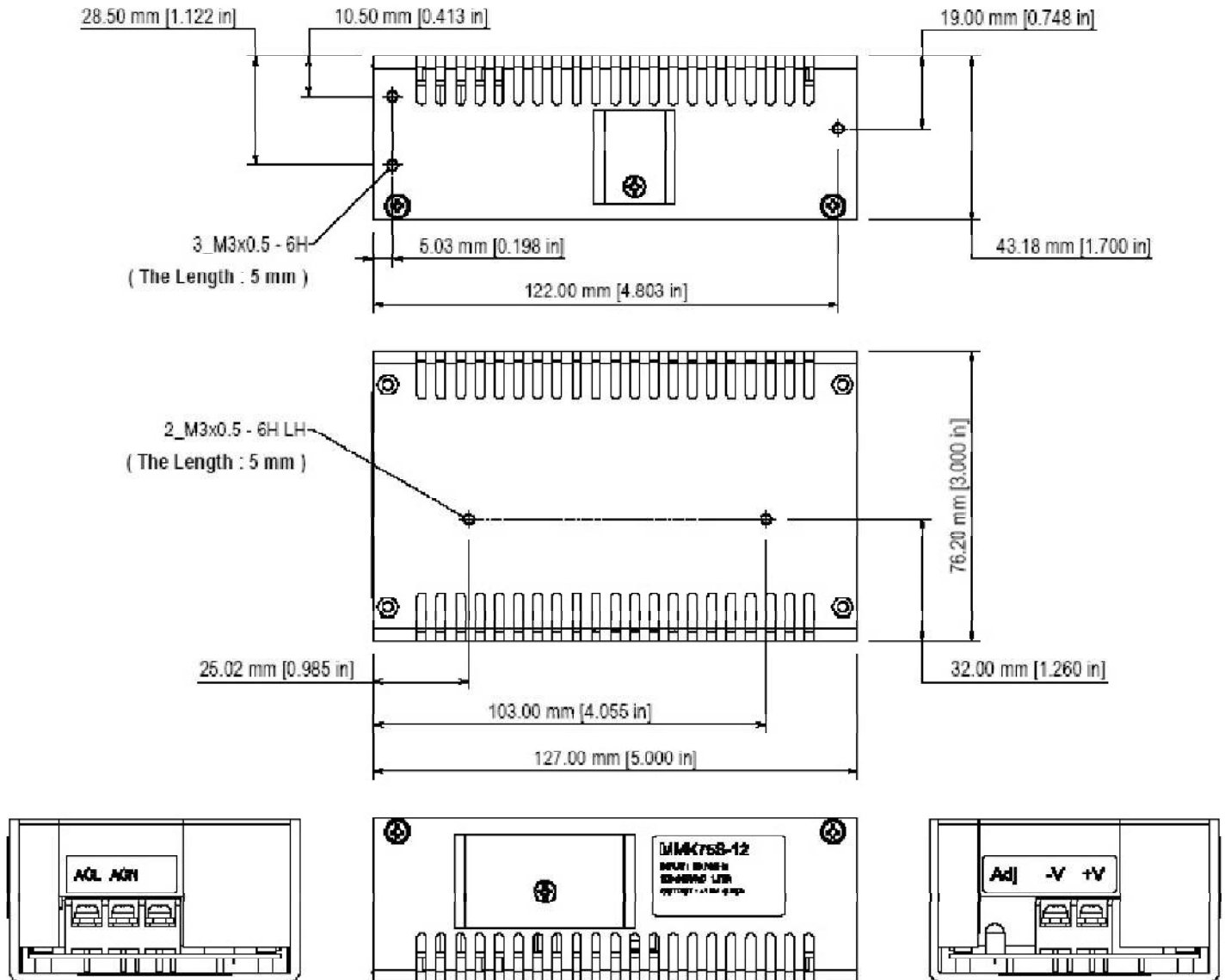
**PHYSICAL SPECIFICATIONS**

|              |                |
|--------------|----------------|
| Size         | 5" x 3" x 1.7" |
| Construction | Enclosed       |
| Weight       | 12 oz, (340g)  |

*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**



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**

