

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Compact 75 Watt Enclosed Switching Power Supplies

MK75S series



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

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

Astrodyne TDI
Now you have power.

Compact 75 Watt Enclosed Switching Power Supplies

MK75S series

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 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
	I/P-Ground: 2121VDC
	O/P-Ground: 707VDC
Efficiency	82%, typ 24V: 84%
Safety UL/cUL:	UL60950-1 2nd ed./
	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

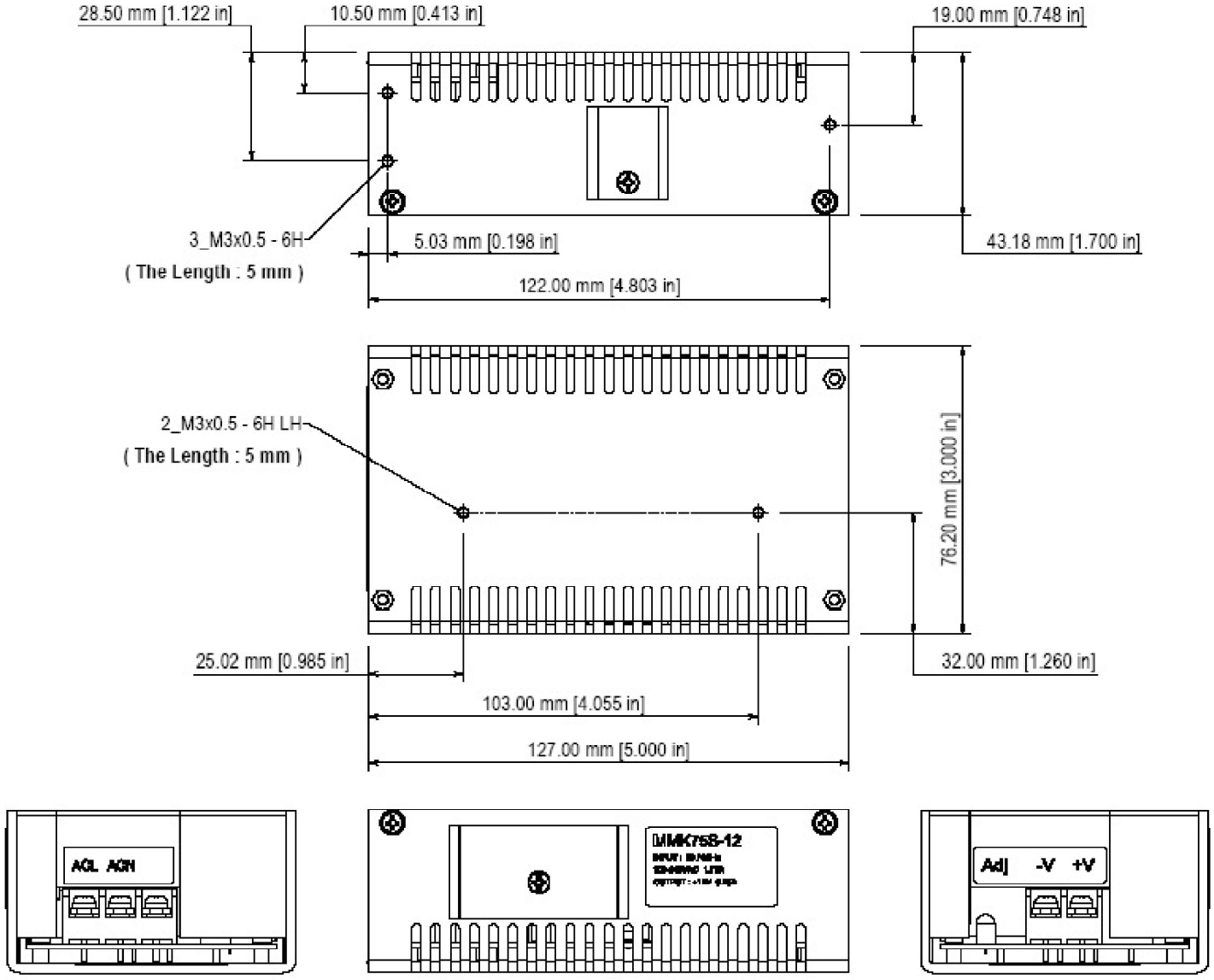
PHYSICAL SPECIFICATIONS

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

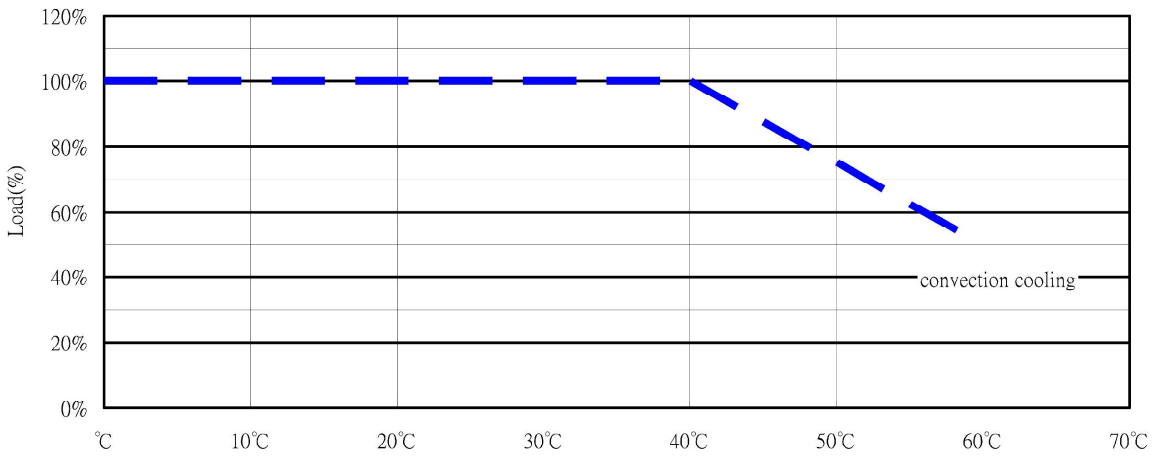
* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranteed nor implied.

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



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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