

PMMK150E series



Model Number	Output Voltage	Output Amps (max)	Line Regulation (max)	Ripple & Noise
SINGLE OUTPUT				
PMMK150S-5E	5 VDC	30	±1%	150mV pk-pk
PMMK150S-12E	12 VDC	12.5	±1%	150mV pk-pk
PMMK150S-15E	15 VDC	10	±1%	150mV pk-pk
PMMK150S-24E	24 VDC	6.3	±1%	150mV pk-pk
PMMK150S-48E	48 VDC	3.2	±1%	250mV pk-pk
DUAL OUTPUT				
PMMK150D-AE	5/12 VDC	15/7	±0.5/1%	50/100mV pk-pk
PMMK150D-BE	5/24 VDC	15/3.5	±0.5/2%	50/200mV pk-pk
PMMK150D-CE	12/24 VDC	7/3.5	±1/2%	100/200mV pk-pk
PMMK150D-DE	12/48 VDC	7/1.5	±1/4%	100/400mV pk-pk



INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC (100-240VAC nom.)
Frequency Range	47-63 Hz
Power Factor Correction	0.96 min. at nom. Input
Inrush Current, typ at cold start:	30A @ 115VAC
	60A @ 230VAC *
Leakage Current	<0.3mA @ 264VAC, 50Hz

OUTPUT SPECIFICATIONS

See Selection Chart
See Selection Chart
Singles: ± 1%, max.
Duals: ±3/5%
±1%, typ
See Selection Chart
130% max. of nom. input
Auto Recover after fault condition
is removed *
150% max. of FL at nom. input
Auto Recover after fault
condition is removed *
20mS, typ (Nom I/P, FL)

GENERAL SPECIFICATIONS

(Note 4)	I/P-O/P: 5656VDC
	I/P-Ground: 2828VDC
	O/P-Ground: 707VDC
су	75%, min. at nom. input
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
	UL/cUL: UL-EU: CB:

All specifications are typical at nominal input, full load, and $\rm 25^{\circ}C$ 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.

PMMK150E series

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	-10 to +70°C
	(See Derate Curve)
Storage Temperature	-25 to +85°C *
Relative Humidity	0% to +95%, non-cond *
EMC	EN55011 Class B
MTBF	270,000 Hrs
	Mil Std 217, 25°C

PHYSICAL SPECIFICATIONS

Size	3.17" x 5.5" x 1.6"
Construction	Enclosed
Weight	1.3 lb, (590g)

NOTES

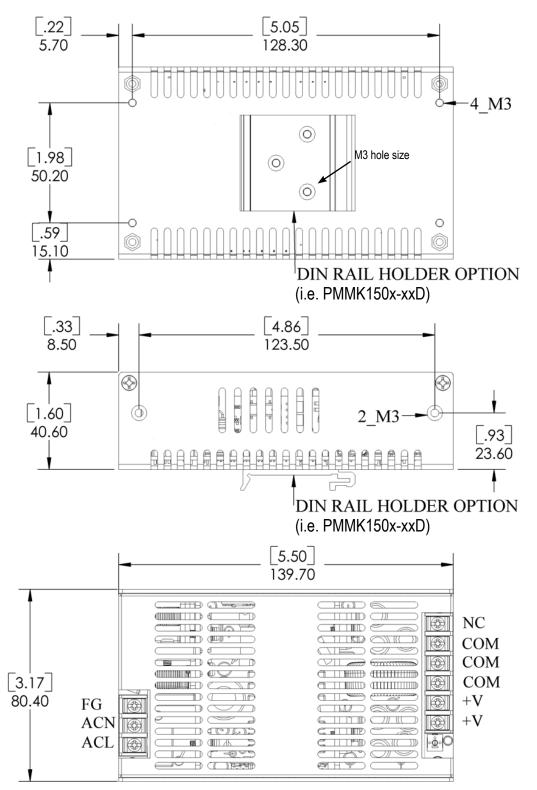
- 1. All measurements should be made directly at the terminals of the power supply
- All specifications typical @ 25°C, unless otherwise noted, at nominal line and load.
- Ripple and noise dependent upon output voltage as specified per particular model.
- 4. Isolation for up to 1 minute duration.
- 5. Specified for free air convection cooling.
- 6. Minimum load is not required for proper operation.
- 7. Load Regulation is measured by change $\pm 40\%$ of measured output load from 60% full load, with the other output set to 60% full load.
- 8. Line Regulation measured from 90-264VAC. 100VAC minimum required for full load start.
- 9. Preset Accuracy measured at nominal load, 120VAC input.
- 10. O/P Noise measured directly at the pins/terminals at nominal load, 0.1uF bypass and 47uF electrolytic, pk-pk @ 20MHz bandwidth.

WWW.ASTRODYNETDI.COM



PMMK150E series

MECHANICAL DIMENSIONS - SINGLE OUTPUT

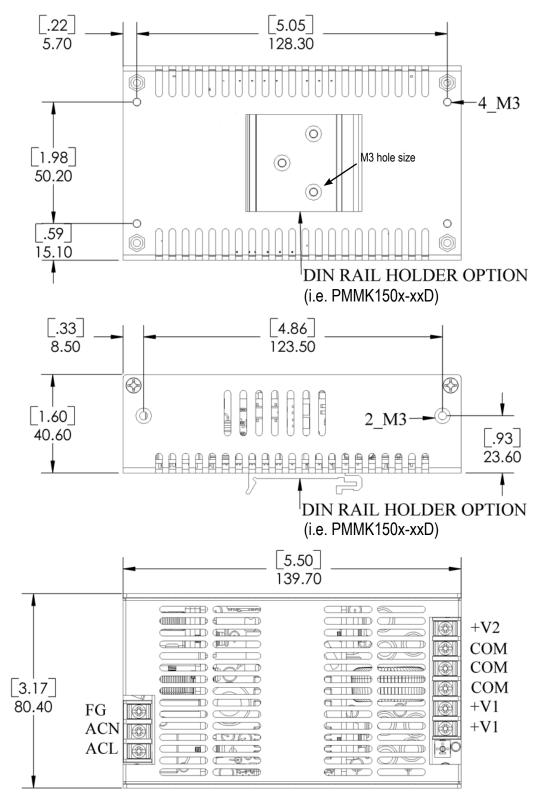


WWW.ASTRODYNETDI.COM



PMMK150E series

MECHANICAL DIMENSIONS - DUAL OUTPUT

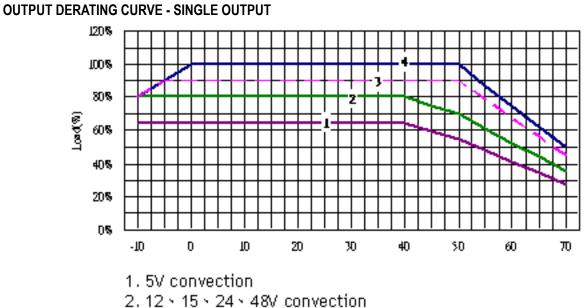


WWW.ASTRODYNETDI.COM

ASTRODYNE USA: 1-800-823-8082 ASTRODYNE PACIFIC: 886-2-26983458



PMMK150E series



3. 5V Forced air cooling 10CFM

3. SV FURCED air COUCING TOCHM

4. 12V > 15V > 24V > 48V Forced air cooling 10CFM

OUTPUT DERATING CURVE - DUAL OUTPUT

