

3"W x 5.5"L x 1.4"H

- 150 Watts Output Power
- Single and Dual Outputs
- Universal 90-264VAC Input
- 5VDC to 48VDC Outputs
- 4000VAC Input to Output Isolation
- Active Power Factor Correction



Model Number	Output Voltage	Output Amps (max)	Line Regulation	Ripple & Noise
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SINGLE OUTPUT

PMMK150S-5	5 VDC	30	±0.5%	100mV pk-pk
PMMK150S-12	12 VDC	12.5	±0.5%	100mV pk-pk
PMMK150S-15	15 VDC	10	±0.5%	100mV pk-pk
PMMK150S-24	24 VDC	6.3	±0.5%	100mV pk-pk
PMMK150S-48	48 VDC	3.2	±0.5%	100mV pk-pk

DUAL OUTPUT

PMMK150D-A	5/12 VDC	15/7	±0.5/1%	50/100mV pk-pk
PMMK150D-B	5/24 VDC	15/3.5	±0.5/2%	50/200mV pk-pk
PMMK150D-C	12/24 VDC	7/3.5	±1/2%	100/200mV pk-pk
PMMK150D-D	12/48 VDC	7/1.5	±1/4%	100/400mV pk-pk



Medical Grade 150 Watt Open Frame with PFC

PMMK150 series

INPUT SPECIFICATIONS

Table with 2 columns: Input Voltage Range, Frequency Range, Power Factor Correction, Inrush Current, typ.

OUTPUT SPECIFICATIONS

Table with 2 columns: Voltage and Current, Line Regulation, Load Regulation, Singles, Duals, Preset Accuracy, DC Voltage Adjust, Temperature Coefficient, Ripple/Noise, Over Voltage Protection, Short Circuit Protection, Hold Up Time.

GENERAL SPECIFICATIONS

Table with 2 columns: Isolation, Efficiency, Switching Frequency, Safety.

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.

ENVIRONMENTAL SPECIFICATIONS

Table with 2 columns: Oper. Temperature, Storage Temperature, Relative Humidity, EMC, MTBF.

PHYSICAL SPECIFICATIONS

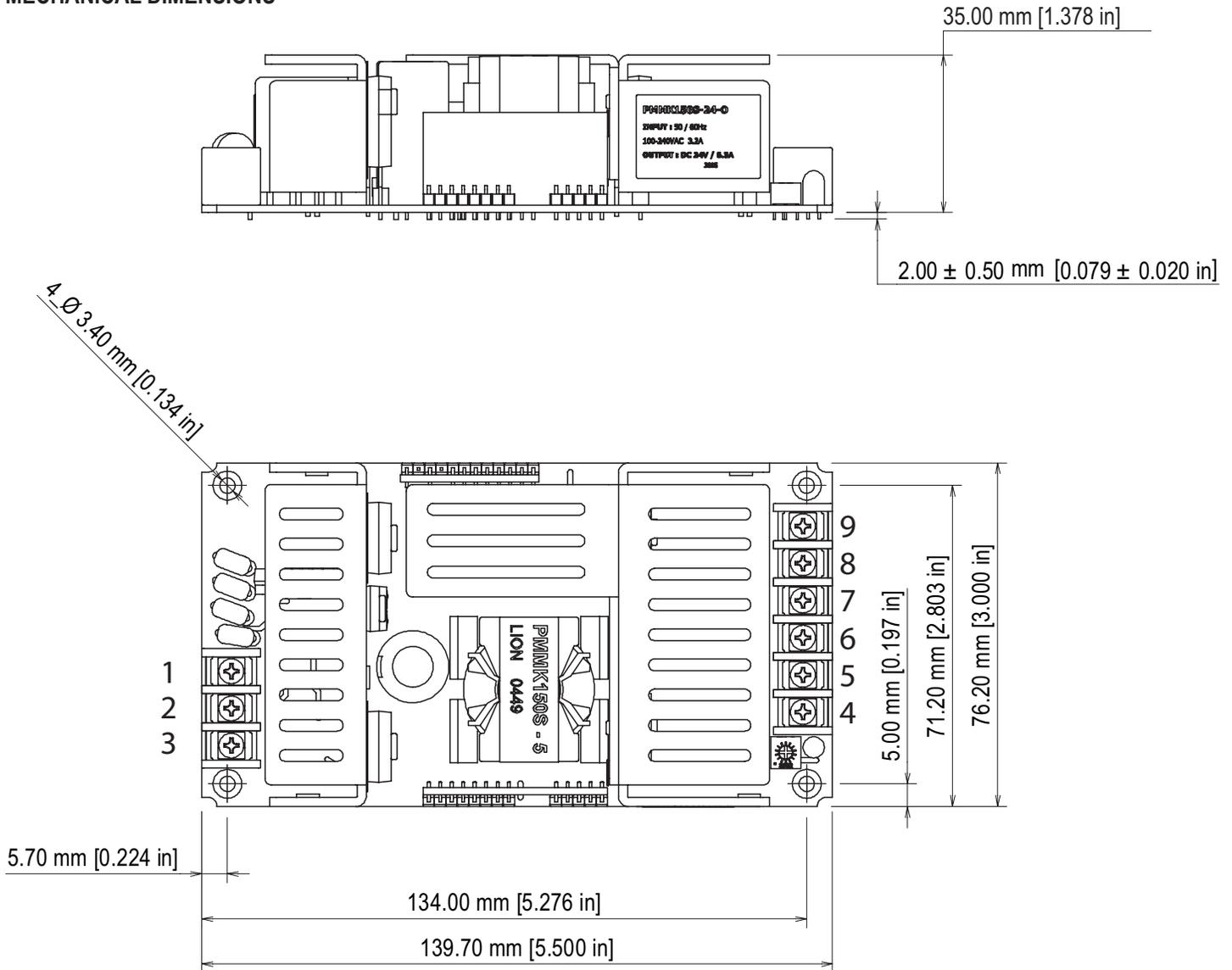
Table with 2 columns: Size, Construction, Weight.

NOTES

- 1. All measurements should be made directly at the terminals of the power supply
2. All specifications typical @ 25°C, unless otherwise noted, at nominal line and load.
3. 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 ±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.

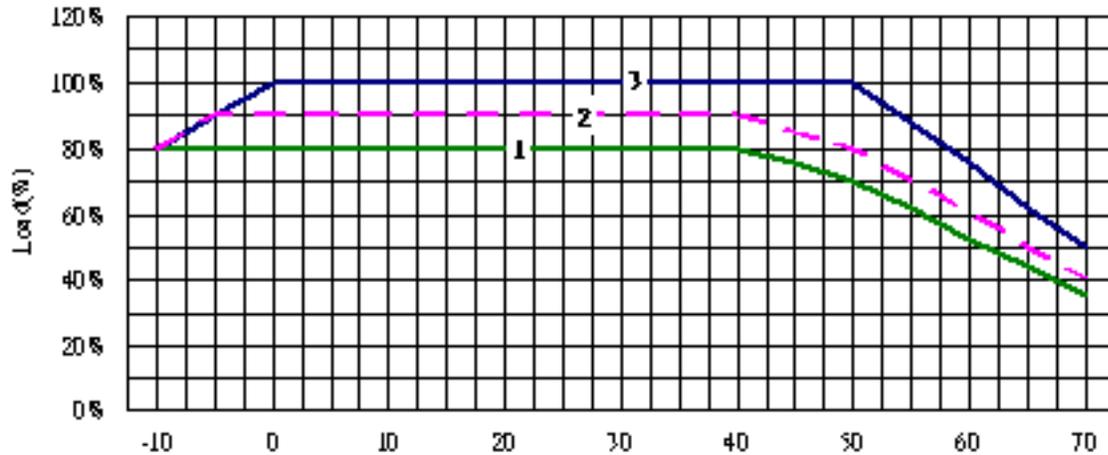
Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

MECHANICAL DIMENSIONS



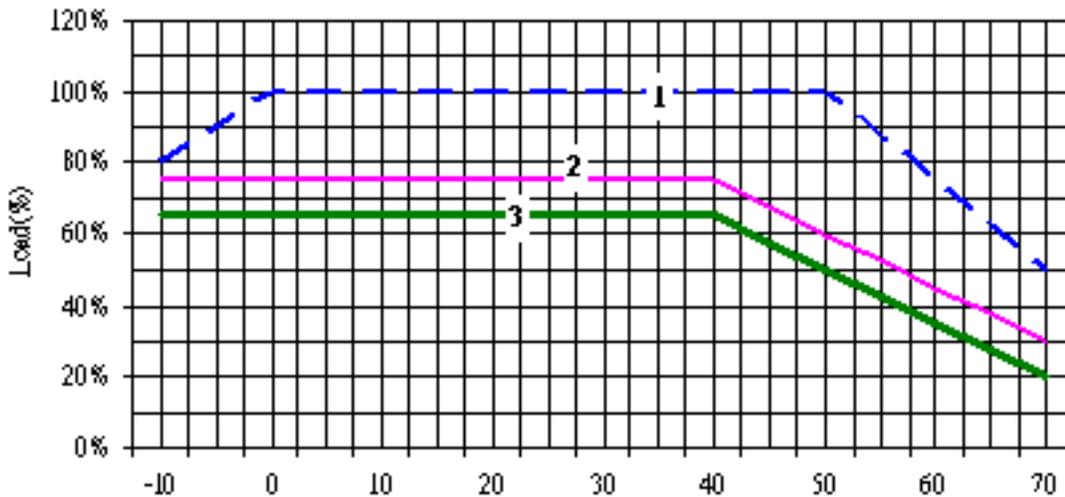
Pin #	SINGLE	DUAL
1	GND	GND
2	ACN	ACN
3	ACL	ACL
4	V1	V1
5	V1	V1
6	Common	Common
7	Common	Common
8	Common	Common
9	N/C	V2

OUTPUT DERATING CURVE - SINGLE OUTPUT



1. 5V convection
2. 12、15、24、48V convection
3. Forced air cooling 10CFM

OUTPUT DERATING CURVE - DUAL OUTPUT



1. Forced air colling 10 CFM
2. Free air convection
 - Open Frame, U-Channel
3. Free air convection
 - Enclosed