

- Wide 2 : 1 Input Range
- High Efficiency
- Regulated Outputs
- 1500V Isolation
- Full EMI Shielding
- Standard Half Brick Footprint

AVH 100 Series



Unit measures 2.28"W x 2.4"L x 0.5"H

MODEL SELECTIONS

Output Voltage	Output Amps	Input Range	Model Number	Price 1	50
SINGLE OUTPUT					
3.3VDC	20	36-75VDC	AVH100-48S03	\$106	\$95
5 VDC	20	36-75VDC	AVH100-48S05	\$106	\$95
12VDC	8.3	36-75VDC	AVH100-48S12	\$106	\$95
15VDC	6.7	36-75VDC	AVH100-48S15	\$106	\$95
24VDC	4.2	36-75VDC	AVH100-48S24	\$106	\$95
28VDC	3.6	36-75VDC	AVH100-48S28	\$106	\$95

**Contact
Factory
for
High Volume
Pricing**

All specifications are typical at nominal input, full load, and 25DegC unless otherwise noted

INPUT SPECIFICATIONS

Input Voltage, Nominal	48VDC
Input Voltage Ranges	36-75VDC
Input Surge Voltage	100V (48V Models), * <100 mS duration

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation	+/- 0.5%, typ
Line Regulation	+/- 0.2%, typ
Trim Range	+/- 10% typ
Temperature Coefficient	+/-0.02%/DegC
Ripple/Noise	150 mV Pk-Pk, typ
Overcurrent Protection	Clamp, 110-150% *
Voltage Stability	+/- 1%, max
Short Circuit Protection	Continuous, self-recovering

GENERAL SPECIFICATIONS

On/Off Control	Logic "1"=OFF Logic "0"=ON CNT must be connected
Shutdown Idle Current	60mA
Input-Out Isolation	1500 VDC
In/Out Capacitance	1000 pF
Efficiency	82%, typ
Switching Frequency	330Khz

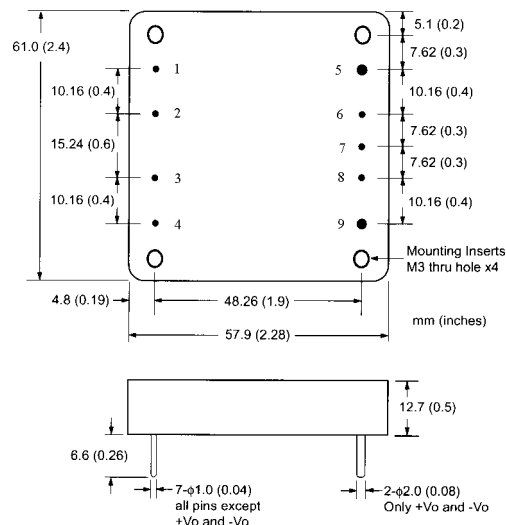
ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	-40 to +100 Deg C
Storage Temperature	-40 to +110 Deg C *
Input Fusing	15A
MTBF	2000 KHrs Bellcore TR332, 25° C To TR-EOP-000063
Shock/Vibration	CSA C22.2 no. 234 & no. 950 UL 1950 TUV EN 60950 CE - low voltage directive 73/23/EEC
Safety Certification	

PHYSICAL SPECIFICATIONS

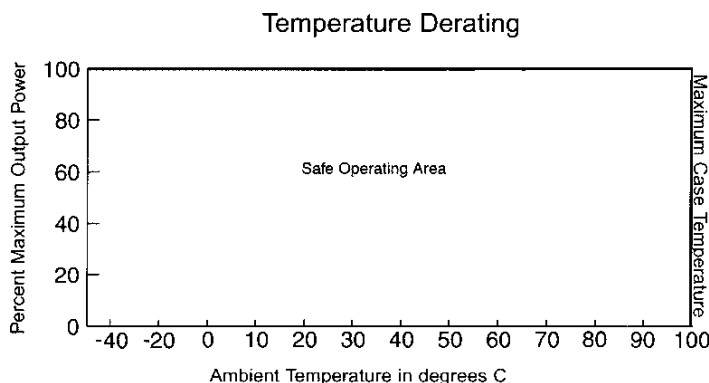
Case Material	Metal Shield
Construction	Fully Encapsulated
Weight	3.93 oz, (110g)

MECHANICAL DIMENSIONS



Pin #	Output
1	- Input
2	Case
3	Control
4	+ Input
5	- Output
6	- Sense
7	Trim
8	+ Sense
9	+ Output

OUTPUT DERATING CURVE



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.

* 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.