

ALS50-12

Description:

The ALS50-12 is a single output power supply. It provides a DC output power in a cost-effective open frame package. Excellent performance specifications are provided, together with compliance to European EMC (EN55022, Class A), and Low Voltage directive (TUV EN60950).

Specifications (@25°C)

Input Characteristics:

Input Voltage (5):	110/220Vac (90-260Vac, 120-370Vdc)
Input Frequency Range (1):	47-63Hz
Max Input Current:	1.0A @ 110Vac; 0.5A @ 220Vac
Max Inrush Current:	30A @ 220Vac
Hold-Up Time:	17ms typ @ 110Vac, 100% Load

Output Characteristics:

Output Voltage:	12.0Vdc
Output Current (1):	4.2A
Output Power (1):	50.4W
Ripple & Noise (20 MHz BW):	120mV
Line Regulation (4):	1.0%
Load Regulation (3):	2.0%
Temperature Drift:	0.02%/°C
Rise-up Time:	500ms max, 110Vac, 100% Load
Over Current Protection:	Shutdown, O.C.P Point>120%, recycle AC supply to recover
Over Voltage Protection:	>105% Zener across output
Short Circuit Protection:	Unit shutdown, recycle AC supply to recover
Adj. O/P Voltage Range (1,2):	±10%

Environmental Specifications:

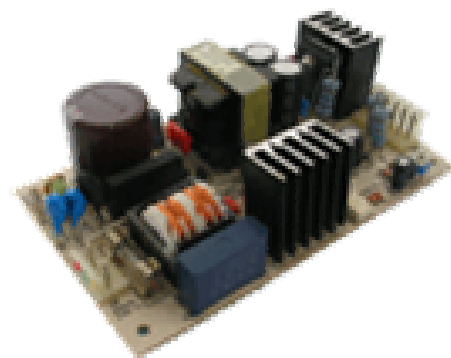
EMI (Conducted RFI):	Built to comply with EN55022-B
EFT:	Built to comply with IEC61000-4-4
ESD:	Built to comply with IEC61000-4-2
Surge:	Built to comply with IEC61000-4-5
Operating Temperature:	Convection cooling 0 to 50°C:100%; 60°C:70%
Operating Humidity:	30% to 90% RH
Storage Temperature:	-25 to 85°C
Storage Humidity:	10% to 95% RH
Cooling:	Convection cooling
Vibration:	1min sweep 10-55Hz, 2G Amplitude, X,Y,Z axis 1hr each
Shock:	<20G

General Specifications:

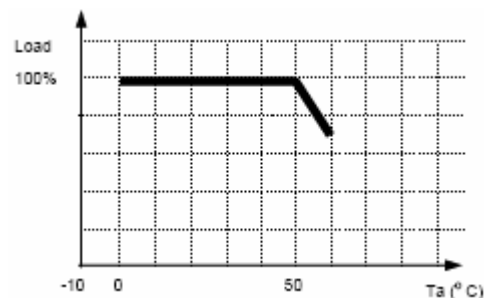
Efficiency:	70% Typical
Dimensions (WxLxH):	76.20x127x35.56mm
Weight:	300g
Warranty:	2 years @ 40°C, 100% Load

Safety Standards:

Standard:	UL1950 (E204980) TUV EN60950 (50070245) Built to meet CSA 22.2
Dielectric Strength:	I/P-O/P:3kVac, I/P-FG:2.5kVac, <10mA, 1min
Insulation Resistance:	O/P-FG: 500VDC>100Mohms



DERATING CURVE

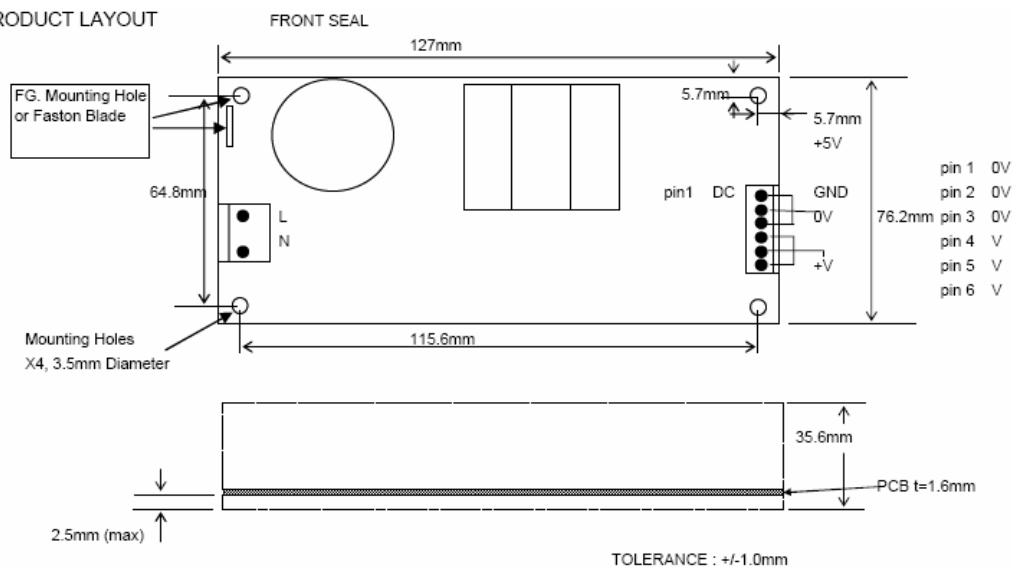


Technical Notes:

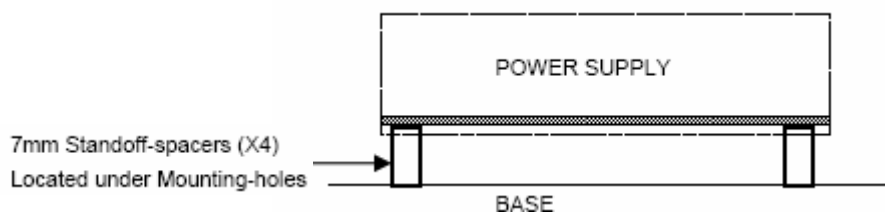
1. Throughout Vin range. Vout must be measured as near as possible to power supply.
2. Total output power by any combination of channel must not exceed Pou(m).
3. Vout deviation as Iout varies from Io(min)-Io(max).
4. Vout deviation as Vin varies from 90 – 260Vac.
5. Where UL and CSA is concerned, official rated input voltage range is 100-120Vac/200-240Vac.

Outline Dimensions (mm):

PRODUCT LAYOUT



Mounting Method:



Connector Types:

AC Housing: Molex 09-50-3031
DC Housing: Molex 09-50-3061

Crimp Terminals: Molex 08-50-0105
Crimp Terminals: Molex 08-50-0105

RoHS Compliance: This power supply meets the requirements of 2002/95/EC, known as the RoHS initiative.

* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com