



FAB0911013

Features

- 90-265Vac Input voltage ranges
- Output : 24Vdc 50W
- 156*108*48.5mm DSUB-9P connector
- Surge and transient protected
- Conduction cooled 95°C baseplate. Avionic environment.

Safety IEC/EN 60950-1, RoHS lead-free-solder compliant



The FAB0911013, very compact AC-DC converter in chassis mount format, incorporate input filtering, input and output protections, very robust mechanical mounting and connection, conformal coating, required in most of the severe environment for avionic applications. The converter provides high reliability thanks to the integration of Vicor Corp. modules, high efficiency, input-to-output isolation, soft start, input over/undervoltage lockout. The converter is protected against surges and transients and EMI filtered built to meet MIL-STD 461. The output is continuously short-circuit proof. The 95°C baseplate operation allows operation in high temperature environment. Others possibilities of output voltage and power are even possible as semi-standard versions.

Electrical Input Data

Input		115-230 Vac 47-63Hz			Unit
Characteristics	Conditions	min	typ	max	
Operating input voltage		90		264	Vac
Input current		0,25		0,7	A
No-load input power			4		W
Peak inrush current			50		A

Electrical Output Data

Output		24V			Unit
Characteristics	Conditions	min	typ	max	
Output voltage		23,5	24	24,5	V
Nominal output current			2,08		A
Max. output current		105	135	% of Inom	
Output current limit		115	145	% of Inom	
Output noise			80		mVpp
Dynamic load regulation			1		%
Hold up time			170		ms

Connector Pin Allocation

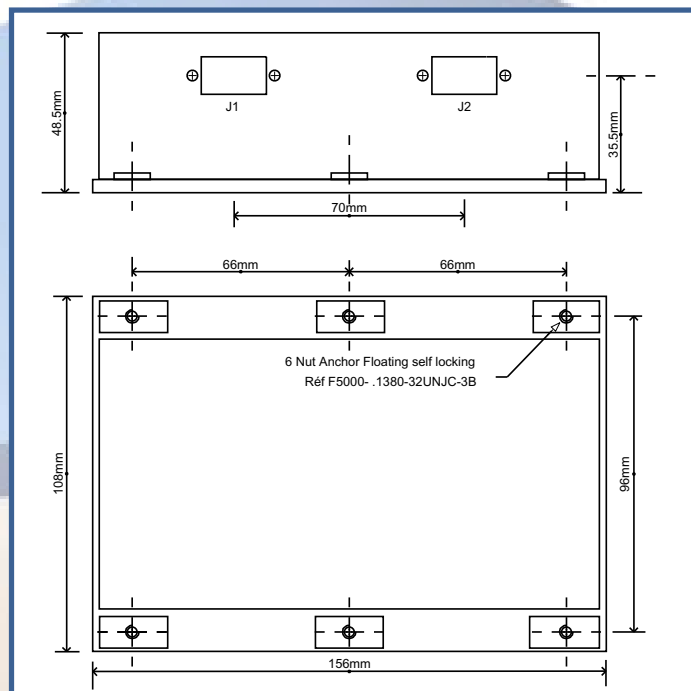
INPUT : DSUB 9PTS Male - J1

PIN		Description
1	INPUT N	Neutral input voltage
3	GND	Earth
5	INPUT L	Line1 input voltage
6	INH +	ON/OFF positive voltage
9	INH -	ON/OFF Negative voltage
2,4,5,7,8	NC	Not Connected

OUTPUT : DSUB 9PTS Female - J2

PIN		Description
1,2,3,4,5	OUT -	
6,7,8,9	OUT+	

Mechanical Data



Approvals

- E.M.I. MIL-STD 461E CE102 built to meet by inhouse measurement (no laboratory certification).
- MIL-STD 810E shock & vibrations built to meet.

Signals

ON/OFF input by external 24Vdc command voltage

In partnership with



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