FEATURES

150 x 73 x 40 mm
INPUT : 115Vac
Comply with Airbus AC Power requirement 360-820Hz
OUTPUT : 335Vdc 400W
-55°C +100°C operating



APPLICATIONS

Power factor corrected AC front end for avionic application.

INPUT

Voltage range :	90-132Vac
Frequency :	360-820Hz comply with Airbus MP240300229, ABD100.1.8
	PFC correction
Input protection :	fuse
	transient and surges protected MILSTD-704F
	inrush current limitation
EMI :	MIL STD-461E CE101, CE102
Power interruption :	Ouptut voltage is maintained above 180Vdc during a 200ms input AC interruption at 300W.

OUTPUT

Voltage : 335Vdc
Current : 1,2A max.

	OUTPUT		Conditions
	Typ.	Max.	
Line regulation	2 %	5 %	Low line to high line ; full load
Load regulation	7 %	10 %	No load to full load
Ripple and noise	5 %	8 %	Peak to peak, nom. Input ; full load
Current limit	135 % of I nominal		

SIGNALS

ON/OFF control : control of the DC/DC converter supplied by the front end

Power Fail

ENVIRONMENTAL

Storage temperature : -65°C to +125°C

Operating temperature : -55°C to 100°C baseplate, chassis mounting

ISOLATION

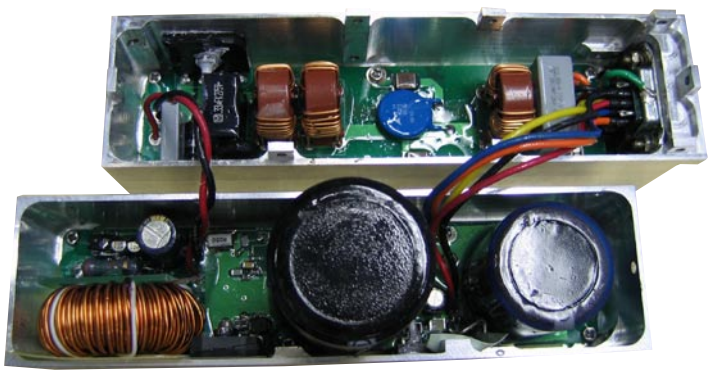
Input to chassis : 1500 Vrms or 2121 Vdc

Input to Output : None

GENERAL

Safety : built to meet EN60950
EMI : Built to meet MIL-STD461E CE101, CE102
PFC : Built to meet ABD100.1.8

No laboratory certification, certified in the customer equipment.



MECHANICALS



INPUT : SUBD 9 pts male

CN1	DESCRIPTION
PIN 1	AC/L
PIN2	AC/N
PIN 5	Ground
PIN 3-4-6 to 9	Ground

OUTPUT : SUBD 9 pts female

CN2	DESCRIPTION
PIN1	+HT
PIN2	-HT
PIN3	Pow_fail_c
PIN5	Ground
PIN7	INH-G
PIN8	Pow_fail_e
PIN4-6-9	NC

