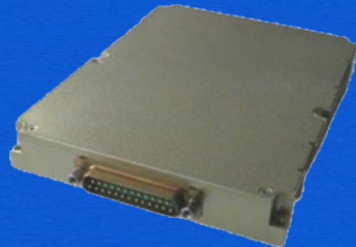




# Power converters for **HARSH ENVIROMENT**



## 250W AC DC Converter OHA250-2-1

### Product Features

- Fully enclosed and conformal coated for harsh environment
- Conduction cooling (Base plate)
- Two Isolated outputs (IN-OUT 1000VDC)
- No external EMI filter required
- Fully protected for Overload /Short, Over-voltage and Over-Temperature
- High Altitude operation

### SPECIFICATIONS:

Input characteristics		
Input voltage (VAC) (50Hz~400Hz)	115-230	
Power Factor	0.98	
Inrush Current	Less than 10A for spike >500usec	
Output characteristics		
	Out #1	Out #2
Output Voltage (VDC)	28	28/24
Output current (ADC)	7	2/2.5
Output ripple (mV pk-pk)	200	200
Line, Load & Temperature regulation (%)	±2	±2
Current Limit, Hiccup (% of rated current)	120-150	120-150
Over Voltage Protection	Latch	
Hold-Up time	6mses (Full Load)	
Load Transient Overshoot and Undershoot (*1)	1.2V	0.5V
Interface		
Inhibit	Input signal, External signal, TTL "1"- PS ON, TTL "0"- PS OFF	
Sync (Optional)	Input signal, External clock: 312.5KHz (D.C :50%)	
CH2 Voltage Select	Input signal, TTL "1"- Ch2=24V, TTL "0" - Ch2=28V	
Environmental/Reliability		
Operating Temperature	-55°C - +85°C (Base Plate)	
Shock	Sawtooth, 25g peak, 11msec	
Humidity	95%	
Altitude	70,000 Feet operational	
MTBF	150,000 Hours	
Mechanical		
Size	6.2" x 4.6" x 7.87" (157.48mm x 117mm x 20mm)	
Weight	0.33LBs (650gr)	
Cooling	Base Plate	

NOTE:

(\*1) 50%-100% Load (Steady-state recovery less then 150usec)

Connector - D- Type 25P:

PIN #	FUNCTION	PIN #	FUNCTION
1 , 2 , 3 , 14 , 15 , 16	Vout#1 RTN	12 , 13	AC IN RTN
10	+Vout#2	20	Sync. IN RTN
4 , 5 , 6 , 17 , 18	+Vout#1	21	INH#1 & INH#2 RTN
7	Sync. IN	25	CHASSIS
8	INH#1	9	INH#1 option select
11 , 24	AC IN	22	Vout#2 RTN
23	Out#2 Voltage control	19	INH#2