



Power converters for **HARSH ENVIROMENT**



60W DC-DC Converter OHD60-4-1

Product Features

- Fully enclosed and conformal coated for harsh environment
- Conduction cooling (Base plate)
- Four Isolated outputs (IN-OUT, IN-GND: 100VDC, OUT-OUT: 50VDC)
- No external EMI filter required.
- Fully protected for Overload /Short, Over-voltage and Over-Temperature

SPECIFICATION

Input characteristics				
Input voltage (VDC) (*1)	18 ~ 36VDC			
Input rejection ripple	< 4Vrms			
Reverse Polarity Protection	√			
Output characteristics	(A)	(B)	(C)	(D)
Output current (VDC)	+5	+3.3	+15	-15
Output current (A)	1.25	3	0.75	0.75
Output ripple (mV)	50			
Line, Load & Temperature regulation (%)	±1			
Current Limit, Fold-back (% of rated current)	110-130			
Over Voltage Protection	Each channel has separate OVP			
Over Temperature Protection	100°C with AUTO Recovery			
Interface				
Inhibit	Input signal, External signal, TTL "1" - PS ON, TTL "0" - PS OFF			
External Sync (Optional)	Input signal, External clock 312.5KHz (D.C :50%)			
Environmental				
Operating Temperature	-55°C - +90°C Base plate			
MTBF	500,000 Hours			
Mechanical				
Size	3.11" x 2.16" x 0.5" (79mm x 55mm x 12.7mm)			
Weight	0.22LBs (100gr)			
Cooling	Base Plate			

NOTE:

(*1) 80VDC for 100msec, 100VDC for 50msec

Connector 30pin (RM272-030-312-2900 Airborn):

PIN #	FUNCTION	GROUP
10,11,24,25,26	VIN	INPUT
7,8,9,22,23	RTN	INPUT
29,30	+5V	A
14,15	RTN	A
4,19	3.3V	B
3,18	RTN	B
12,27	+15V	C
13,28	RTN	C
5,20	-15V	D
6,21	RTN	D
16	SYNC IN	
17	SIGNAL RTN	
1	INHIBIT	
2	CHASSIS	