Ohm Americas

Power converters for HARSH ENVIROMENT



6W DC-DC Converter
OHD6-4-1

Product Features

- Fully enclosed and conformal coated for harsh environment
- Conduction cooling (Base plate)
- Four Isolated outputs (IN-OUT, IN-GND, OUT-OUT :200VDC)
- No external EMI filter required
- Fully protected for Overload /Short, Over-voltage and Over-Temperature

SPECIFICATIONS:

Input characteristics				
Input voltage (VDC) (*1)	18 ~ 36			
Reverse Polarity Protection	√			
Output characteristics	(A)	(B)	(C)	(D)
Output current (VDC)	28	28	28	28
Output current (mA)	50	50	50	50
Output ripple (mV)	100			
Line, Load & Temperature regulation (%)	±1			
Current Limit, Fold-back (% of rated current)	200			
Over Voltage Protection	Each channel has separate OVP			
Over Temperature Protection	Shutdown at baseplate temperature 105ºC AUTO Recovery at baseplate temperature 95ºC (+/-5 ºC)			
Interface				
Inhibit	N/A			
Environmental				
Operating Temperature	–55°C - +85°C Base plate			
MTBF	150,000 Hours			
Mechanical				
Size	2.56” x 19.7” x 0.49” (65mm x 50mm x 12.5mm)			
Weight	0.176Lbs (80gr)			
Cooling	Base Plate			

NOTE:

(*1) P/S will shut down for Vin greater than 50VDC.

Connector 20pin (RM272-020-312 Airborn):

PIN #	FUNCTION	GROUP
8,9	VIN	INPUT
19,20	RTN	INPUT
1,11	28V	A
2,12	RTN	A
3,13	28V	B
4,14	RTN	B
5,15	28V	C
6,16	RTN	C
7,17	28V	D
8,18	RTN	D