



OHM
POWER
SOLUTIONS

M110D

Up to 110Watt

**Dual Output Isolated
DC/DC Converter**





Features:

- Total Output Power up to 110W
- 24-72V_{DC} Input
- 2 DC outputs
- Efficiency – up to 91%
- Input/outputs isolation
- Outputs are isolated (“floating”) from chassis
- Short Circuit Protection with auto recovery
- Current Limit Protection with auto recovery
- Over Temperature Shutdown with auto recovery

Typical applications:

- Military
- Ruggedized
- Telecom
- Industrial





General specification	
DC Input	
Input voltage range	24-72 V _{DC}
Input protection	120 V _{DC} for 150ms
DC Output	
Output voltage/Current	See table below
Line Load & Temperature regulation	< +/-2%
Current limit on each output	110% - 130% of rated current
Short circuit Protection	With auto recovery
OVP	Over-Voltage on each output
Turn on Transient	No turn on transient
Load Transient Overshoot & Undershoot	No overshoot
Isolation	
Input to Output:	200 V _{DC}
Input to Case:	100 V _{DC}
Output to Case:	100 V _{DC}
Environmental	
Operating Temperature	-40°C +95°C Base plate
Over-Temperature protection	at 100°C - 105°C with auto recovery
Shock & Vibration	per MIL-STD-810F
EMI-RFI	per MIL-STD-461E, CE102, CS101, RE102, RS103
Mechanical	
Size L x H x W (mm)	83.22 x 50.8 x 10.0
Weight (grams)	130
Cooling	Base plate
Input/Output connector	20 PIN Airborne P/N RM252-020-311-2900 or eq.



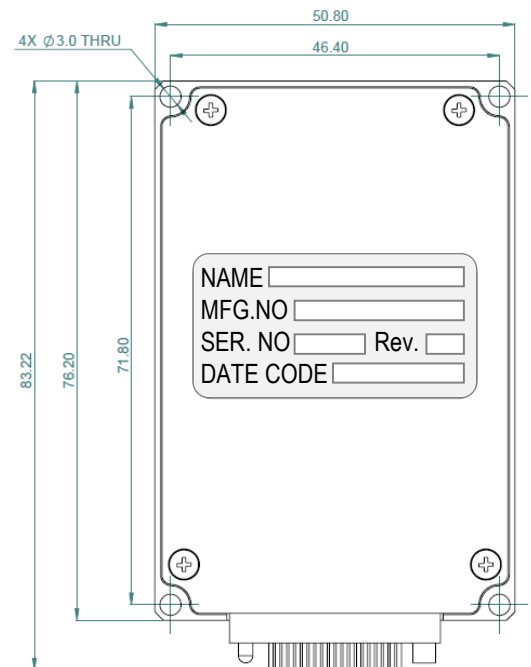
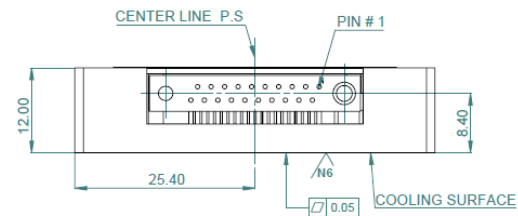
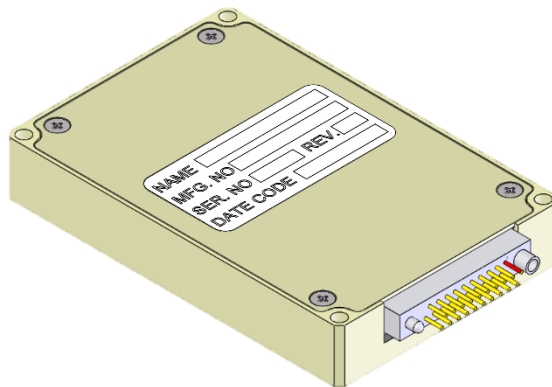
Ordering Information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	R&N (mV) for 50ms
M110D	1	24-72	+28	3	84	100
	2		+12	2	24	100

PIN ASSIGNMENT

PIN NO.	PIN Function
1, 11	12VDC/2A
2, 12	12VDC/2A_RTN
3, 4, 13	28VDC/3A
5, 14, 15	28VDC/3A_RTN
7, 8, 17	+VIN
9, 18, 19	VIN_RTN
6, 10, 16, 18	Not Connected

Outline Drawing



Note: Specifications are subject to change without prior notice by the manufacturer.
Additional configurations and modifications available. Contact us for more details.