

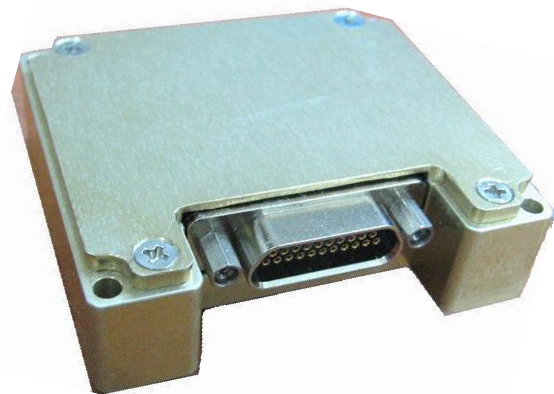


OHM
POWER
SOLUTIONS

DM5

10Watt

Five Isolated Outputs
DC/DC Converter



Features:

- High Efficiency – up to 80%
- Fully protected for Over Load/Short, Over-voltage and Over-Temperature
- Five isolated outputs
- Base Plate cooling
- No external EMI filter needed

Typical applications:

- Military
- Ruggedized
- Telecom
- Industrial



General specification	
DC Input	
Input voltage range	18-36V _{DC}
Input Per MIL-STD-1275B & 704A	(Including 100V for 50ms & 80V for 0.1sec – no damage)
Protection	Reverse Polarity Protection
DC Output	
Output voltage / Current	See table below
Line Load & Temperature regulation	< +/-2%
Current limit on each output	115% - 145% of rated current
OVP	Over-Voltage on each output - Non-latch type
Turn on Transient	No turn on transient
Isolation	
Input to Output:	100 V _{DC}
Input to Case:	100 V _{DC}
Output to Case:	100 V _{DC}
Interface	
Control Signals	TTL logic enable
Inhibit Signals	ON/OFF = Open, P.S. is OFF . ON/OFF = GND (-2V ÷ +2V) P.S. is ON (GND is isolated).
External Sync	Optional
Environmental	
Operating Temperature	-40°C to +80°C Base plate
Over-Temperature protection	to +100°C with auto recovery at +90°C
Shock & Vibration	per MIL-STD-810E
EMI-RFI	per MIL-STD-461E
Mechanical	
Size L x H x W (mm)	51 x 14.8 x 45
Weight (grams)	100 MAX
Cooling	Base plate
Input / Output connector	21 PIN AXON P/N: MDA221SCBRWG2 or Eq.

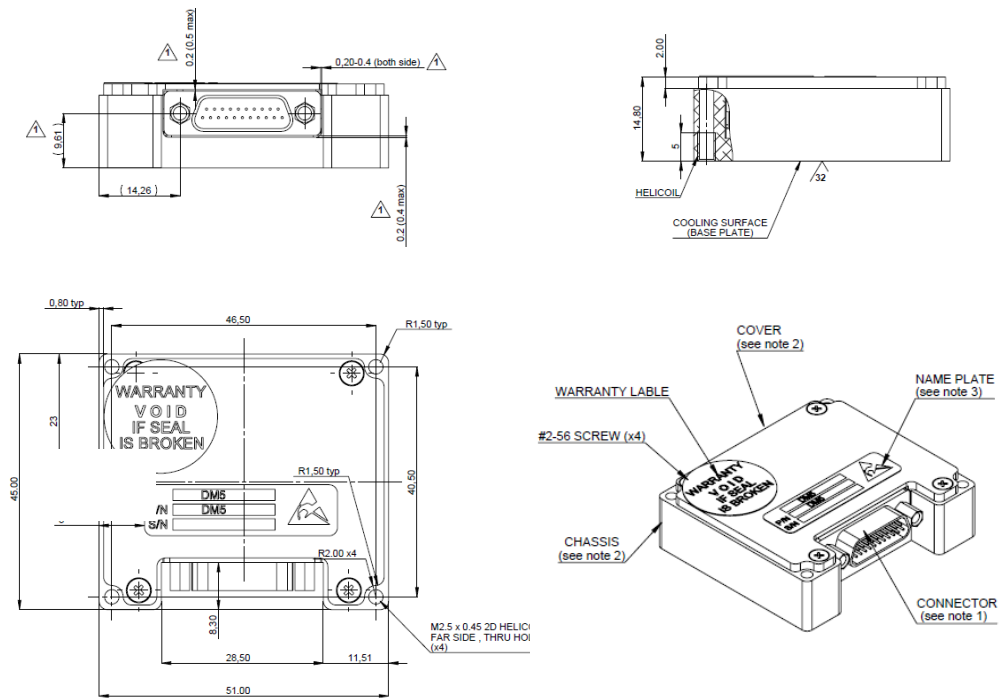
Ordering Information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
DM5	1	28	5	0.5	2.5	9.8	50
	2		5	0.15	0.75		50
	3		3.3	1.5	4.95		50
	4		2.5	0.15	0.375		50
	5		1.25	1	1.25		50

PIN –Assignment

PIN #	Function	PIN #	Function	PIN #	Function
1	3V3	8	N.C.	15	P1
2	3V3	9	N.C.	16	5V_B
3	5V_A	10	VIN_RTN	17	P2
4	5V_B	11	VIN_RTN	18	P2
5	2V5	12	1V25	19	P2
6	P2	13	1V25	20	VIN
7	P2	14	P1	21	VIN

Outline Drawing



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