

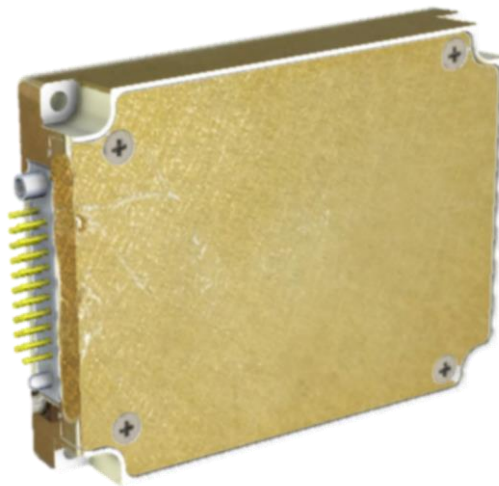


OHM
POWER
SOLUTIONS

M064P

11Watt

Quad Output Isolated
DC/DC Converter



Features:

- High Efficiency – up to 75%
- 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-1275A	(Including 100V for 50ms – no damage)
Input Per MIL-STD-704A	(Including 80V for 100ms – no damage)
Input Per MIL-STD-704D	Full operation up to 50V
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
Protection	• Electronic Over-Voltage Protection • Current Limiting - Continuous protection for unlimited time with auto recovery • indefinite short circuit protection with auto recovery
Turn on Transient	No turn on transient
Isolation	
Input to Output:	200 V _{DC}
Input to Case:	200 V _{DC}
Output to Case:	200 V _{DC}
Environmental	
Operating Temperature	-55°C to +85°C Base plate
Over-Temperature protection	to +105°C with auto recovery at +95°C
Shock & Vibration	per MIL-STD-810E
EMI-RFI	per MIL-STD-461E
Mechanical	
Size L x H x W (mm)	60 x 12.5 x 50
Weight (<i>grams</i>)	100 MAX
Cooling	Base plate
Input / Output connector	31 PIN Airborne P/N: RM272-020-312-2900 or Eq.

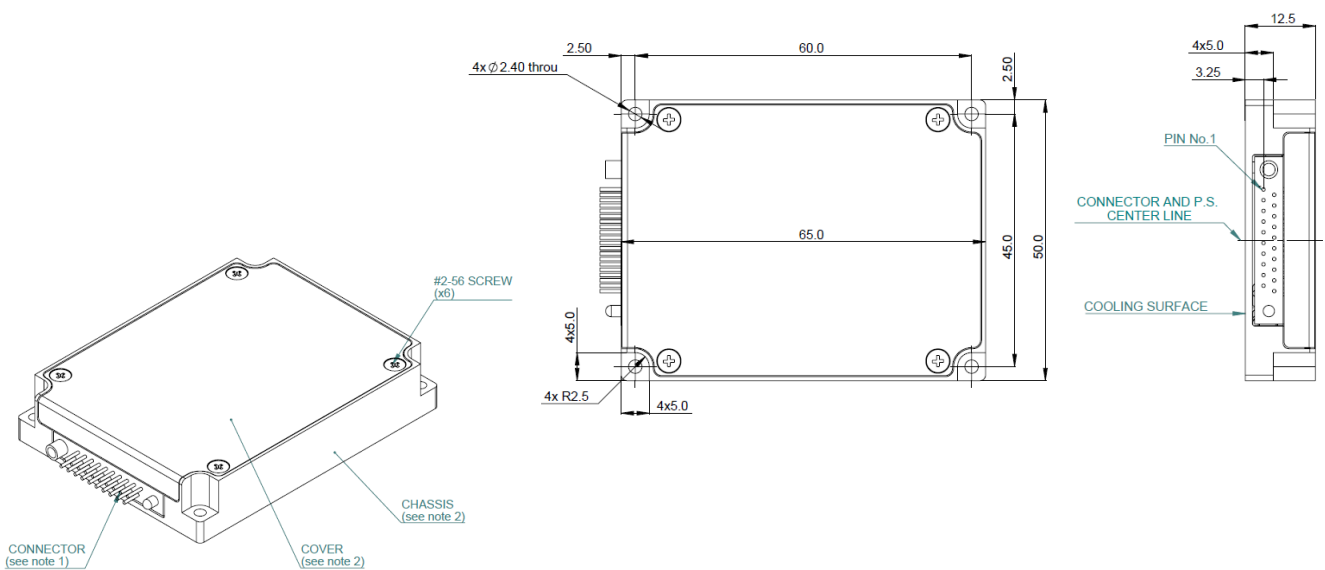
Ordering Information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
M064P	A-1	28	28	0.1	2.8	11.2	50
	B-2		28	0.1	2.8		50
	C-3		28	0.1	2.8		50
	D-4		28	0.1	2.8		50

PIN – Assignment

PIN #	PIN Function	PIN #	PIN Function
1	28V_A	11	28V_A
2	RTN_A	12	RTN_A
3	28V_B	13	28V_B
4	RTN_B	14	RTN_B
5	28V_C	15	28V_C
6	RTN_C	16	RTN_B
7	28V_D	17	28V_D
8	RTN_D	18	RTN_D
9	+V _{IN}	19	RTN_V _{IN}
10	+V _{IN}	20	RTN_V _{IN}
		21-31	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.