

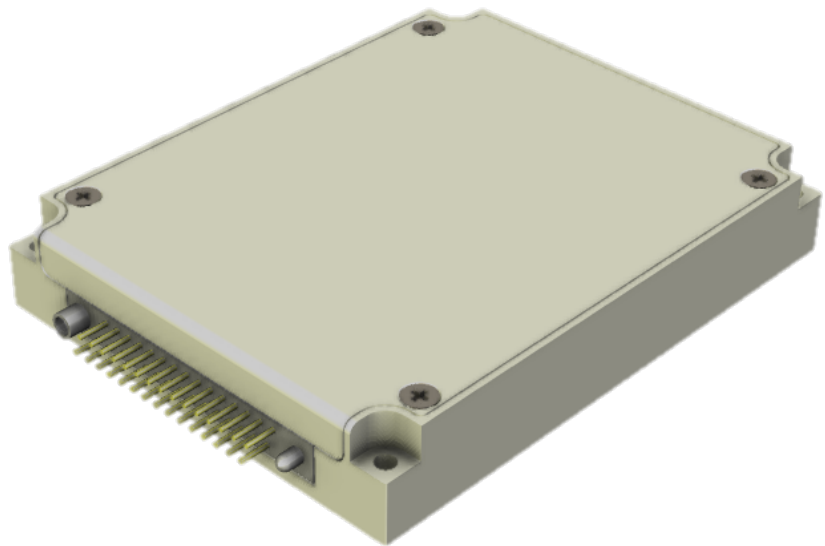


OHM
POWER
SOLUTIONS

M606P-6

95Watt

**Quad Output Isolated
DC/DC Converter**



Features:

- Designed to meet MIL-STD-810G
- 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-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}
Interface	
Control Signals	TTL logic enable
Inhibit Signals	TTL "1" or OPEN - to turn ON the power supply TTL "0" - to turn OFF the power supply
Signal RTN	Signal RTN Referred To Input For Use As Grounding For INHIBIT Signals
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)	75 x 12.5 x 60
Weight (<i>grams</i>)	120
Cooling	Base plate
Input / Output connector	31 PIN Airborne P/N: RM272-030-312-2900 or Eq.

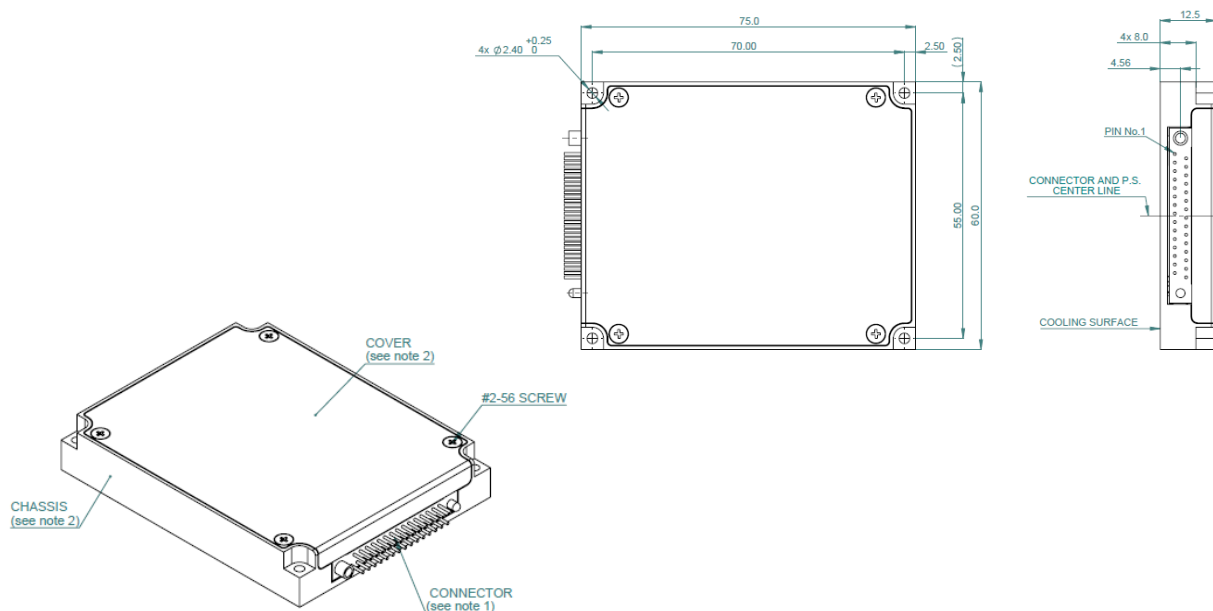
Ordering Information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
M606P-6	A-1	28	15	1	15	95	50
	B-2		15	1	15		50
	C-3		5	2	10		50
	D-4		15	1	15		50
	E-5		15	1	15		50
	F-6		5	5	25		50

PIN – Assignment

PIN #	PIN Function	PIN #	PIN Function
1	+15V_A	16	RTN_A
2	+15V_A	17	RTN_A
3	15V_B	18	RTN_B
4	+5V_C	19	RTN_C
5	+5V_C	20	RTN_C
6	+15V_D	21	RTN_D
7	+15V_E	22	RTN_E
8	+5V_F	23	RTN_F
9	+5V_F	24	RTN_F
10	+5V_F	25	RTN_F
11	+S_5V_F	26	INHIBIT
12	-S_5V_F	27	SIGN_RTN
13	+V _{IN}	28	RTN_V _{IN}
14	+V _{IN}	29	RTN_V _{IN}
15	+V _{IN}	30	RTN_V _{IN}
		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.