



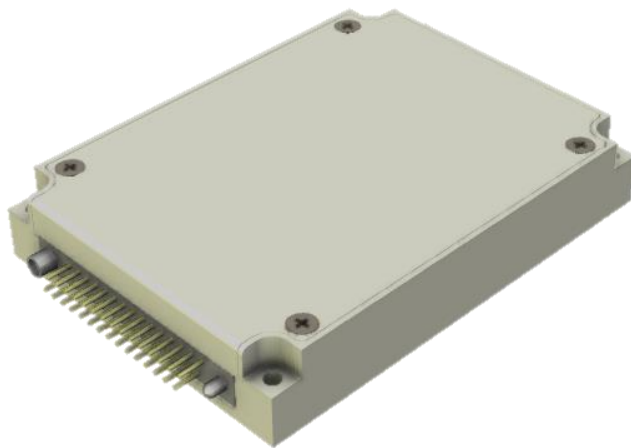
OHM
POWER
SOLUTIONS

M606P-3

M606P-4

60Watt

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:	250 V _{DC}
Input to Case:	250 V _{DC}
Output to Case:	250 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)	71 x 12.5 x 53
Weight (<i>grams</i>)	85 MAX
Cooling	Base plate
Input / Output connector	31 PIN Airborne P/N: RM272-030-312-2900 or Eq.

Ordering Information

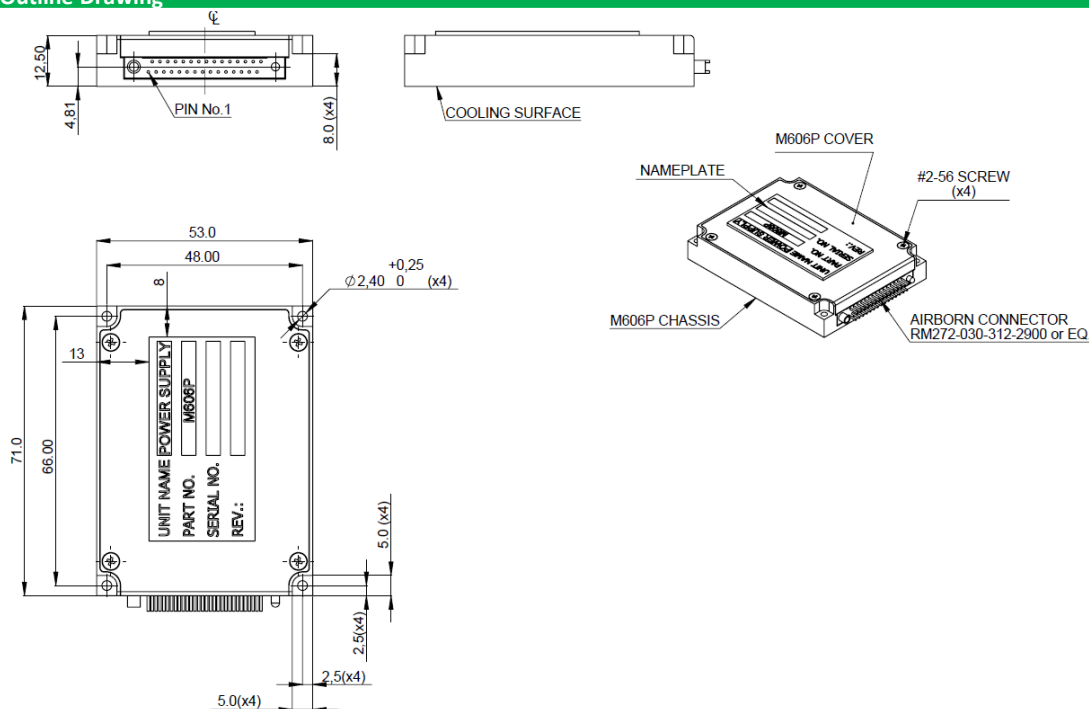
MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
M606P-3* M606P-4	A-1	28	3.32	6	19.92	(72.4*) 82.4	50
	A-2		1.23	2	2.46		50
	B-3		5	2	10		50
	C-4		15	1	15		50
	C-5		-15	1	15		50
	D-6		(2.52*) 5	4	(10.08)* 20		50

(M606P-3)* M606P-4 PIN – Assignment

PIN #	PIN Function
1	+15V_C
2	-15V_C
3	+5V_B
4	+3.3V_A
5	+3.3V_A
6	+3.3V_A
7	RTN_A
8	RTN_A
9	(+2.5V_D)* +5V_D
10	RTN_D
11	+S_1.2V
12	-S_1.2V
13	+1.2V_A
14	+V_IN
15	+V_IN

PIN #	PIN Function
16	RTN_C
17	RTN_B
18	+S_3.3V
19	-S_3.3V
20	+3.3V_A
21	RTN_A
22	RTN_A
23	(+2.5V_D)* +5V_D
24	RTN_D
25	INHIBIT
26	SIGN_RTN
27	+1.2V_A
28	RTN_A
29	RTN_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.