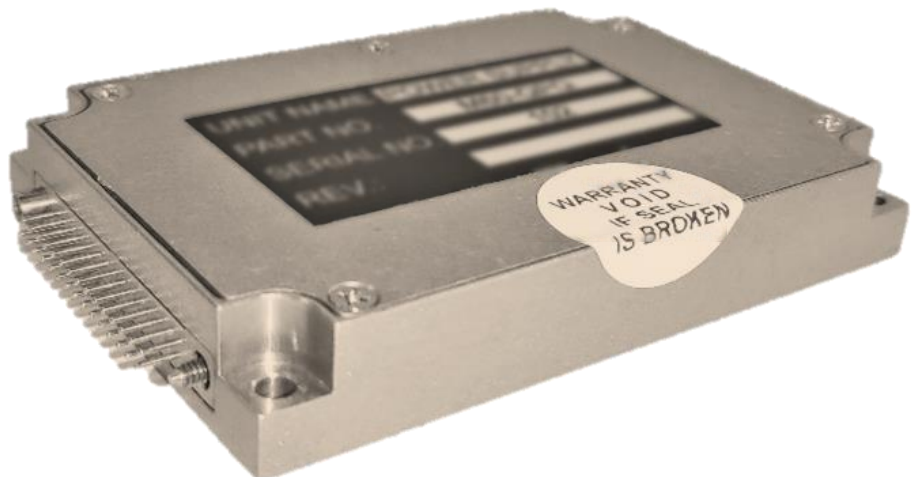




OHM
POWER
SOLUTIONS

M60-QP QPRF QPRF-1

60/20Watt
Dual/Quad Output
DC/DC Converter





Features:

- Designed to meet MIL-STD-704A, MIL-STD-1275A
- High Efficiency – Up to 88%
- Fully protected for Over Load/Short, Over-voltage and Over-Temperature
- 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-704A	(Including 80V for 100ms)
Input Per MIL-STD-1275A	(Including 100V for 50ms)
Protection	Reverse Polarity Protection

DC Output

Output voltage / Current	See table below
Line Load & Temperature regulation	< +/-2%
Current limit on each output	110% - 130% of rated current
OVP	Over-Voltage on each output

Isolation

Input to Output:	100V _{DC}
Input to Case:	100V _{DC}
Output to Case:	50V _{DC}

Interface

Inhibit signal	INHIBIT ON/OFF TTL "1" or OPEN – Power supply is ON TTL "0" or SHORT to SIGNAL RTN – Power supply is OFF
External Sync.	Optional

Environmental

Operating Temperature	-55°C +90°C Base plate
Over-Temperature protection	at 100°C with auto recovery
Shock & Vibration	per MIL-STD-810D
EMI-RFI	per MIL-STD-461E

Mechanical

Size	79mm x 55mm x 12.7mm
Weight	100 grams
Cooling	Base plate
Input / Output connector	30 PIN Airborne P/N RM272-030-312-2900 or eq.

Ordering information

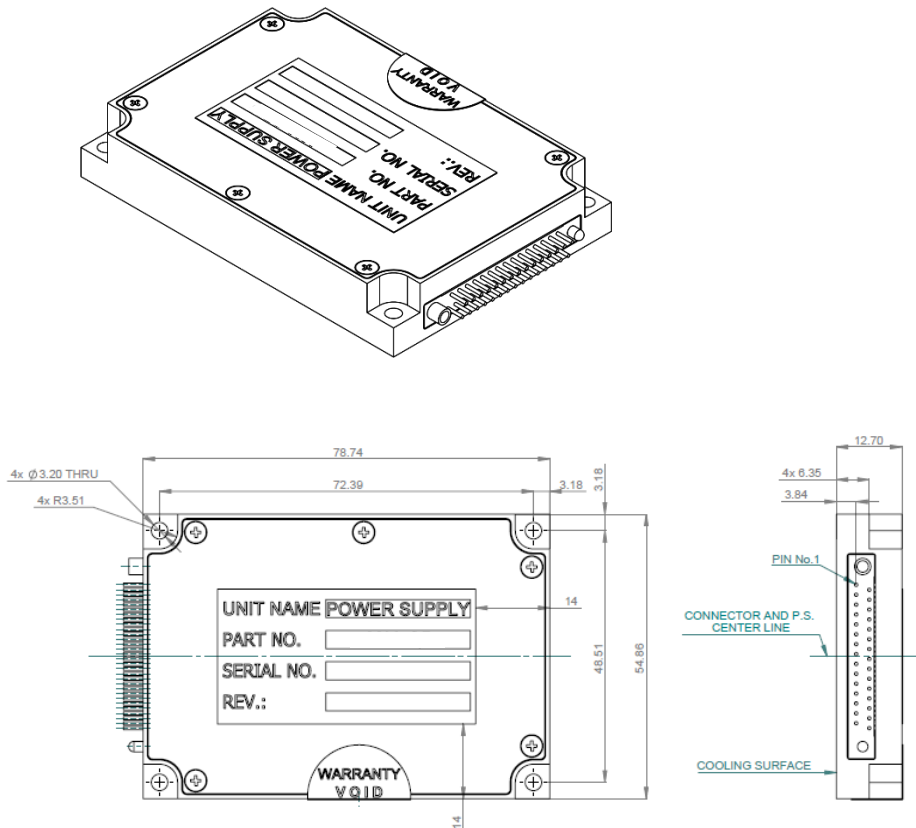
Model #	Output #	Voltage	Current	Power	R&N	Notes
M60-QP*	1	+ 5V	1.25A	6.25W	50mV	60W
	2	+3.3V	3A	10W	50mV	
	3	+15V	0.75A	11.25W	50mV	
	4	-15V	0.75A	11.25W	50mV	
M60-QPRF	1	+ 5V	2A	10W	50mV	60W
	2	+12V	1A	12W	50mV	
M60-QPRF-1	1	+ 5V	1.25A	6.25W	50mV	20W
	2	+12V	1A	12W	50mV	

Pin assignment

PIN NO.	PIN Function	PIN NO.	PIN Function	PIN NO.	PIN Function
10, 11, 24, 25, 26	+VIN	3, 18	Not Connected (+OUT_RTN 2)*	16	SYNC IN
7, 8, 9, 22, 23	VIN_RTN	12, 27	+12V (+ OUT 3)*	17	SIGNAL_RTN
29, 30	+5V_OUT (OUT 1)*	13, 28	+12V_RTN (OUT_RTN 3)*	1	INHIBIT
14, 15	+5V_OUT_RTN (5V_OUT_RTN 1)*	5, 20	Not Connected (+OUT 4)*	2	CHASSIS
4, 19	Not Connected (+OUT 2)*	6, 21	Not Connected (OUT_RTN 4)*		

*Only For **M60-QP**

Outline drawing



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