

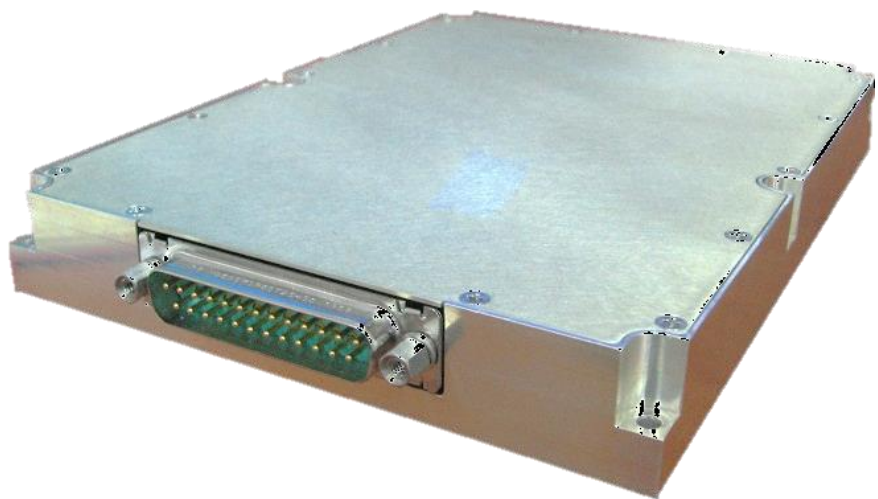


OHM
POWER
SOLUTIONS

MAC250

312Watt

DUAL OUTPUT
AC/DC Converter



Features:

- Designed to meet 704A
High Efficiency – up to 85%
- Fully protected for Over Load/Short, Over-voltage and
- Over-Temperature
- Base Plate cooling
- No external EMI filter needed
- Wide Input Range (85~265Vac single phase)

Typical applications:

- Military
- Ruggedized
- Telecom
- Industrial





General specification						
AC Input						
Input voltage range	85-265V _{AC}					
Frequency (Hz)	50/60/400					
Power Factor	Better than 0.98					
Inrush Current	Less than 10A for spike > 500usec					
DC Output						
Output voltage / Current	See table below					
Line Load & Temperature regulation	< +/-2%					
Current limit on each output	115% - 130% of rated current					
OVP	Over-Voltage on each output - Non-latch type					
Hold Up	>6 msec					
Isolation						
INPUT to OUTPUT	1000 V _{DC}					
INPUT to CASE	1000 V _{DC}					
OUTPUT to CASE	100 V _{DC}					
Interface						
Control Signals	TTL logic					
Inhibit Signals	Option Select (9 – 21)	INH#1 Status (8 – 21)	INH#2 Status (19 – 21)	OUT#1	OUT#2	
	OPEN	OPEN	OPEN	ON	OFF	
	OPEN	OPEN	SHORT	ON	ON	
	OPEN	SHORT	OPEN	OFF	OFF	
	OPEN	SHORT	SHORT	OFF	OFF	
	SHORT	OPEN	OPEN	OFF	OFF	
	SHORT	OPEN	SHORT	OFF	OFF	
	SHORT	SHORT	OPEN	ON	OFF	
	SHORT	SHORT	SHORT	ON	ON	
External Sync	Optional					
Environmental						
Operating Temperature	–40°C to +85°C Base plate					
Over-Temperature protection	to +110°C with auto recovery at +90°C					
Shock & Vibration	per MIL-STD-810G					
EMI-RFI	per MIL-STD-461E					
Mechanical						
Size L x H x W (mm)	157 x 20 x 116					
Weight (<i>grams</i>)	650 MAX					
Cooling	Base plate					
Input/Output connector	D-TYPE 25 PIN P/N: HDC25M5R80T2S-50 or Eq.					

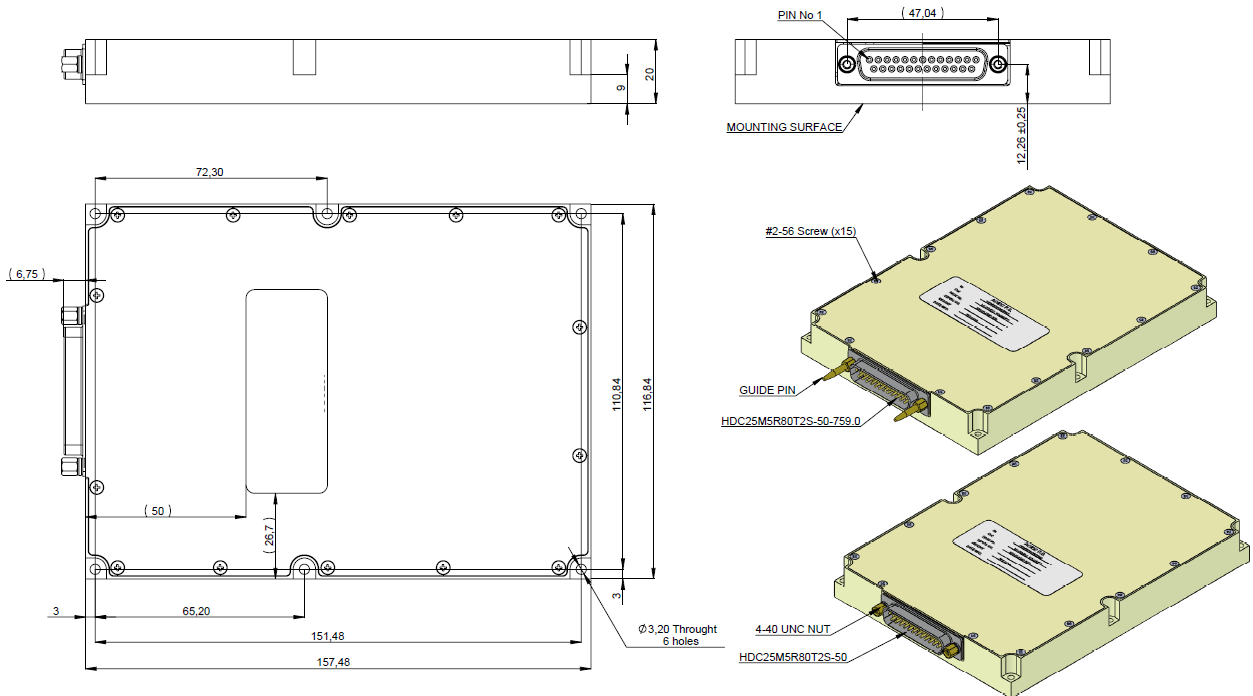
Ordering information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
MAC250	1	115-230VAC	28	7	196	312	200
	2		24	2.5	60		200

Connector PIN – Assignment

PIN#	Function	PIN#	Function	PIN#	Function	PIN#	Function
1	VOUT#1_RTN	7	SYNC IN	13	AC IN_RTN	19	INH#2
2	VOUT#1_RTN	8	INH#1	14	VOUT#1_RTN	20	SYNC IN_RTN
3	VOUT#1_RTN	9	INH#1 OPTION SELECT	15	VOUT#1_RTN	21	INH#1 & INH#2_RTN
4	+VOUT#1	10	+VOUT#2	16	VOUT#1_RTN	22	VOUT#2_RTN
5	+VOUT#1	11	AC IN	17	+VOUT#1	23	OUT#2 VOLTAGE CONTROL
6	+VOUT#1	12	AC IN_RTN	18	+VOUT#1	24	AC IN

Outline Drawing



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