

Power Amplifier 1300-1700MHz

50 dB Gain, SMA Female Connectors, 100/ 200 Watts, Module



5 Year Warranty

Order Examples: RAMP-M-1300-1700M-50d-Sf-100W-L21

Description: (Power Amplifier Module, 1300-1700MHz, 50dB Gain SMA female Connector **100 Watts**)

Options: **200 Watts**

Parameter	100 Watts	200 Watts
RF Power	100 Watts (50dBm)	200 Watts (53dBm)
Frequency Range	1300-1700 MHz	1300-1700 MHz
Gain	+50 dB min	+50 dB min
Gain Flatness	± 1.5 dB	± 1.5 dB
Voltage	+28Vdc	+28Vdc
Current: at 100/200 w	9 amps	16 amps
IMD3 IMD5	2 tones @ 44dbm, 25W per tone	2 tones @ 47dbm, 50W per tone
IMD @ 50dBm 2 cw tones @ 47dbm each, 50W 2-3MHz apart	Not applicable	IMD3 >30 dBc IMD5 >36 dBc
IMD @ 47dBm 2 cw tones @ 44dbm each, 25W 2-3MHz apart	IMD3 >30 dBc IMD5 >36 dBc	IMD3 >34dBc IMD5 >42dBc
IMD @ 29-44dBm 2 cw tones @ 28-41dbm each, 0.3-12.6W 2-3MHz apart	IMD3 >34dBc IMD5 >42dBc	IMD3 >38 dBc IMD5 >48 dBc

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Parameter	100 Watts	200 Watts
Mechanical		
Dimensions	8" x 6" x 1.5"	10" x 8" x 1.5"
Connectors	SMA Female Connectors	SMA Female Connectors
Operating Temp	-20 to +75°C	-20 to +75°C
Temp Shutdown	+85°C	+85°C