

Power Amplifier 20-100MHz 15 dB gain, N female Connectors, 200Watts Module



Order Examples: RAMP-M-20-100M-15d-Nf-200W-L21

Description: (Power Amplifier Module Class AB, 20-100MHz, 15dB gain N female Connector 200Watts 28VDC)

Parameter	Specification
Frequency Range	20–100 MHz
Power output @ PSat	53dBm±1dB in the frequency range of (20-30)MHz, 50dBm±1dB in the frequency range of (30-100)MHz
Efficiency @ 100 watts	Better than 40%
Gain	+15 dB min
Supply Voltage	+28VDC
input drive level	37dBm±2dB
Input overdrive protection	Till 40dBm
Max current @ 100 watts	≤10A
Bias enable/disable	+5V:ON, 0V:OFF
Bias availability to 90% Rated Power Build Up time with RF in present.	<100us
Load mismatch tolerance	10:1(infinite)
Even harmonics @ 100 watts	≤-20dBc
Odd harmonics @ 100 watts	≤-20dBc
Spurious output	≤-60dBc
Mechanical	
Dimensions	5" x 4" x 1.2" Max (127 X 101.6 X 30.5)mm
Connectors	N Female
Operating case temperature	-40°C to +85°C
Storage temperature	-50°C to +100°C