

## Power Amplifier 500-2000MHz

45 dB Gain, SMA Female Connectors, 100 Watts, Module



**5 Year Warranty**

**Cooling: Heatsink and forced air cooling must be provided.**

**Order Examples:** RAMP-M-500-2000M-45d-46V<sub>DC</sub>-Sf-100W-L21

**Description:** (Power Amplifier Module, 500-2000MHz, 45dB Gain, 46VDC, SMA female Connector 100 Watts)

Parameter	Min	Typical	Max	Unit
Frequency Range	500		2000	MHz
P Sat			50	dBm
Gain	44	45	46	dB
Gain Flatness		±1.5	±2	dB
Gain Flatness over Temp.		±1		dB
IP3	55			dBm
Turn-On Time			300	mS
Input / Output VSWR			2.0:1	-
Operation Voltage		46V		VDC
Standby current		7Amps		Amps

Parameter		Unit
<b>Environmental Characteristics</b>		
Operating Case Temperature	-20 to +70	°C
Storage Temperature	-40 to +85	°C
Relative humidity	5 - 95	% (Non Condensing)
Altitude	30,000	Feet
Shock & Vibration	Airborne	
<b>Mechanical Specifications</b>		
Dimension (Body Module)	7.5 x 4.25 x 1.25"	Inches
RF Input Connector	N- type Female	
RF Output Connector	N-Type Female	
I/O & DC Connector	Pin	