

ISM Band Power Amplifier 850-950 MHz

48 dB Gain, 24VDC, SMA female Connectors, 60 Watts, Module

Features

- Solid state GaAs/ GaN design
- Instantaneous full bandwidth
- Unconditional stability
- High reliability and ruggedness
- Reverse polarity protection
- Over Temp protection & Alarm
- Output Isolator
- Forward Monitor -11v @ 50Watts
- Class AB operation

5-Year Warranty



Order Examples: RAMP-M-850-950M-48d24v-Sf-60W-FM-L21 Description: (Power Amplifier, Module, 850-950MHz, 48dB Gain, 24VDC, SMA Female Connector, 60 Watts, Forward Monitor,) *Includes Heat Sink and Mounting plate*

Specifications		Units
Frequency	850-950	MHz
Power output with 0 dBm input level	60	Watts min
Power Output (PSat) @ 915 MHz	65	Watts min
Gain @ 0 dBm input @ 915 MHz	47.8 min	dB
Gain Flatness small signal	± 2	dB
Current @ 24 Volts/ 65 Watts	7	Amps max
DC Reverse Voltage protection	Yes	
Temp:	-20 to +75	°C
Temp shutdown:	+85	°C
2nd and 3 rd Harmonics	-30	dBc
Insertion Phase (as read on the Network Analyzer) at room Temp and 915MHz at 0dbm input	-92 +/- 10*	Degrees
Forward Monitoring Voltage	-11 +/- 0.5V @ 50W RF	
Reverse Monitoring Voltage at infinite VSWR	-11 +/- 0.5V @ 50W RF	
Output mismatch protection	Internal Isolator	
VSWR (Input/ Output):	2:1	
Voltage at feed-thru connector @ 60 watts	24 volts dc min.	
Connectors	SMA female Input / SMA female Output	
Overall Dim (Amp with Heatsink plus mounting plate)	3.1" x 11.0" x 2.3"	
DC input / detector outputs	Feed-thru filter solder connections	
Weight	3lb	

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