

Solid State Power Amplifier 2.5-6.0GHz 54 dB gain SMAf Connectors 50Watts Power



Features

- latest Gallium Nitride (GaN) technology
- solid state Class “AB” linear amplifier

Optional

- RF Detectors
- RS232 Interface
- Integrated T/R Switch

Order Examples: RAMP-2.5-6.0-54d-SMAf-50W-c20

Description: (Solid State Power Amplifier, 2.5-6.0GHz, 54 dB gain SMA females Connectors 50Watts Power)

The RAMP-2.5-6.0-54d-SMAf-50W-c20 is a solid state Class “AB” linear amplifier which operates over the full 2500-6000 MHz frequency band and delivers a minimum of 50 watts. The amplifier uses the latest Gallium Nitride (GaN) technology and is housed in a relatively small package measuring only 7.5” x 3.0” x 1.5” (excluding connectors).

Specifications			Units
Frequency Range		2.5-6.0	GHz
RF Power Output Power		50	Watts
RF Gain		54 ±3	dB
Harmonic Rejection		-13	dBc
Class of Operation		AB Linear	
Load VSWR		Infinite	
PA Enable		<5	µS
DC Input		+18~+36	Vdc
DC Power		300	Watts
RF Input		SMA Female field replaceable	
RF Output		SMA Female field replaceable	
Operating Temperature:		-40 to +85 baseplate	°C
Environmental	Shock	MIL-STD-810F Method 516.5	
	Vibration	MIL-STD-810F Method 516.5	
Humidity		95% without condensation	
Size		7.5 x 3.0 x 1.5	Inch
Weight		3	lbs.