

Power Amplifier 145-155 MHz 52dB Gain, 150 Watts Output Power, 19" Rack

Typical Applications

- Solid state linear design
- Instantaneous bandwidth
- Suitable for CW/pulse/LTE/GSM operation
- Test and Instrumentation
- High reliability and ruggedness

Features

- Band width 145-155MHz
- Output Power of 150watts
- 220 VAC Power Supply
- CW/Pulse/LTE/GSM



5 year Warranty

General Description:

This is a wideband Class AB CW/Pulse Power Amplifier, designed pulse operation, and general-purpose, amplification. Using an advanced high power density LDMOS and GaN semiconductor processes, these high performance, amplifiers achieve high efficiency, flat gain, and large instantaneous bandwidth in a single amplifier design.

Order Examples: RAMP-R-145-155M-52d-220V-Nf-150W-L21

Description: (Power Amplifier 145-155 MHz, 52 dB Gain, 100-240Vac, N Female Connectors, 150 Watts)

Parameter	Specification
Frequency	150MHz
Bandwidth	145- 155 MHz
Gain	52 dB
Gain Flatness	±2 dB
Psat Output Power	150 Watts
Input level power for nom Pout	±2 dBm
Impedance	50 ohm (nom)
VSWR	2:1 Max
Spurious	<-60dBc
Harmonics	< -13dBc
Noise Figure	<16dB (nom)
Output protection	100% without damage
Class	AB

Environmental		Min	Typ	Max	
Operating Case Temperature	Tc	0		+50	Deg C
Storage Temperature	Tstg	-40		+85	Deg C
Relative Humidity (non-condensing)	RH			95	%
Altitude	ALT			10,000	Feet
Vibration/Shock	VI /SH		Transit		

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Mechanical Specifications		
Dimension (Body)		19.0" x 15.0" x 3.5"
Weight		25 lbs
RF Connector	Input	N-Female
	Output	N-Female
AC Interface Connector		AC plug 100-240 VAC
Cooling		Air Cooling
Limits		
Input drive with no damage		+8 dBm max
Load VSWR @ P Sat		3:1 all phase and magnitude
Thermal Overload		85 deg. C Min