



RF Amplifier

800 to 2300 MHz

Model BX7967

FEATURES

- Standard Design
- High 1 Watt Output Power
- Wide 800-2300 MHz Bandwidth
- SMA Connectorized Housing

The Model BX7967 is a standard high performance amplifier covering a wide 800 MHz to 2300 MHz bandwidth with a two stage 25 dB gain design. This standard design comes an SMA Connectorized Housing (BX7967). It may also be ordered in a screened MIL-STD-883 version (SX7967). All specification ratings are based on measurements in a 50 ohm system with a DC supply voltage tolerance of +/- 2%.

Parameter	Typical	Min. / Max.
Frequency Range	800 to 2300 MHz	800 to 2300 MHz
Gain	25 dB	24 dB Min
Gain Flatness (+/-) over any 50 MHz band	+/- 0.5 dB	+/- 0.5 dB
Gain Variation over Temp.	-	-
Pout @ 1 dB Compression	30 dBm	29 dBm
Input VSWR	1.4:1	1.5:1 Max.
Output VSWR	1.4:1	1.5:1 Max.
Reverse Isolation	-	-
3rd Order Output Intercept Point	40 dBm	-
2nd Order Output Intercept Point	55 dBm	-
Noise Figure	1.5 dB	2.0 dB
Supply Voltage	+15 volts	+15 volts
Supply Current	360 mA	400 mA Max.
Revision: 7/11/2012	Typical values are measured at 25°C but not guaranteed.	
SMA Housing Size	1.25" L x 0.764" W x 0.300" H (#088-00256 Laser Sealed Housing)	
RF Connectors	SMA Female	
Operating Case Temp. (Min./Max. Values)	-10°C to +85°C	

Maximum (No Damage) Ratings

Storage Temperature	-65°C to +125°C
Operating Temperature (Case)	-55°C to +85°C
DC Voltage @ 25°C	+17 VDC
Input Drive @ 25°C (CW)	+20 dBm (Peak Input 500 mW @ 3 µsec Max)

RF Amplifier

800-2300 MHz
 Model BX7967

Outline Drawing (For Reference Only)

