

Microwave Amplifier

4000 to 8000 MHz
Model BXHF 1060

FEATURES

- Output Power @ 1dB Comp.: +20 dBm
- Reverse Bias Protection
- Input Voltage Regulator
- Laser Sealed Housing
- Input RF Surge Protection



The Model BXHF1060 is standard high frequency amplifier covering 4000 MHz to 8000 MHz. This three stage design, utilizes an input voltage regulator to protect against fluctuations in supply voltage, reverse bias protection circuitry, and a laser sealed housing for the ultimate in environmental protection. This standard design may also be ordered in a screened MIL-STD-883 version as a model SXHF1060. 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	4000 to 8000 MHz	4000 to 8000 MHz
Gain	40 dB	39 dB
P _{out} @ 1 dB Compression	+20 dBm	+19 dBm
Input VSWR	1.5:1	2.0:1 Max.
Output VSWR	1.5:1	2.0:1 Max.
3rd Order Output Intercept Point	+25 dBm	-
2nd Order Output Intercept Point	+35 dBm	-
Noise Figure	1.8 dB	2.5 dB
Supply Voltage	+12 to +15 volts	+12 to +15 volts
Supply Current	220 mA	235 mA Max.
Revision: 12/14/2012	Typical values are measured at 25°C but not guaranteed.	
Housing Size	1.360" L x 0.660" W x 0.360" H	
RF Connectors	Gold Plated Pins or SMA Female	
Operating Case Temp. (Min./Max. Values)	-20°C to +70°C	

Maximum (No Damage) Ratings

Storage Temperature	-65°C to +125°C
Operating Temperature (Case)	-40°C to +85°C
DC Voltage @ 25°C	+17 VDC
Input Drive @ 25°C (CW)	+20 dBm

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Outline Drawing (QBA-2 Package)

