

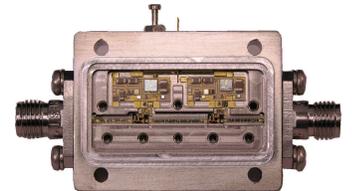
Microwave Amplifier

10 GHz to 20 GHz

Model BXHF1072

FEATURES

- High IP3: +30 dBm
- Laser Sealed Housing
- Broad Bandwidth
- Field Replaceable Connectors



The Model BXHF1072 is standard high frequency amplifier covering 10 GHz to 20 GHz. This two stage design, utilizes 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 SXHF1072. 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	10 GHz to 20 GHz	10 GHz to 20 GHz
Gain	20 dB	19 dB Min / 21 dB Max.
Gain Flatness	+/- 0.5 dB	-
Gain vs. Temperature**	+/- 1.0 dB	+/- 2.0 dB Max.
Input VSWR	1.9:1	2.0:1 Max.
Output VSWR	1.9:1	2.0:1 Max.
Output 3rd Order Intercept Point	+30 dBm	+28 dBm Min.
Noise Figure	5.0 dB	5.5 dB Max.
Supply Voltage	+12 volts	+12 volts
Supply Current	440 mA	450 mA Max.
Revision: 10/30/2013	Typical values are measured at 25°C but not guaranteed.	
Housing Size	1.500" L x 1.060" W x 0.300" H	
RF Connectors	SMA Female Replaceable Connectors	
Min. / Max. Values	25°C , (**-20°C to +85°C)	

Maximum (No Damage) Ratings

Storage Temperature	-55°C to +85°C
Operating Temperature (Case)	-28°C to +85°C
DC Voltage @ 25°C	+15 VDC
Input Drive @ 25°C (CW)	+13 dBm

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Outline Drawing

