

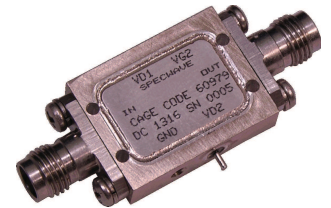
# Microwave Amplifier

## 5 GHz to 10 GHz

### Model BXHF1070

## FEATURES

- High IP3: +41 dBm
- Laser Sealed Housing
- Broad Bandwidth
- Field Replaceable Connectors



The Model BXHF1070 is standard high frequency amplifier covering 5 GHz to 10 GHz. This single 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 SXHF1070. 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	5 GHz to 10 GHz	5 GHz to 10 GHz
Gain	13 dB	12 dB Min / 15 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	+41 dBm	+40 dBm Min.
Noise Figure	3.8 dB	4.0 dB Max.
Supply Voltage	+12 volts	+12 volts
Supply Current	440 mA	450 mA Max.
Revision: 7/18/2013	Typical values are measured at 25°C but not guaranteed.	
Housing Size	1.500" L x 1.060" W x 0.300" H (Housing #088-00376)	
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

