

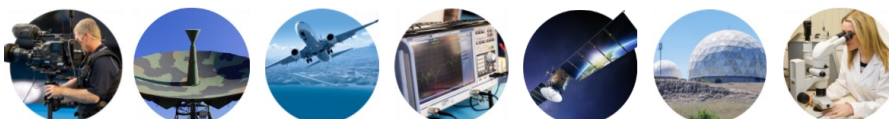
Low Noise Amplifier

18 to 40 GHz

- Low Noise Figure
- High Gain
- 18 to 40 GHz Frequency Range

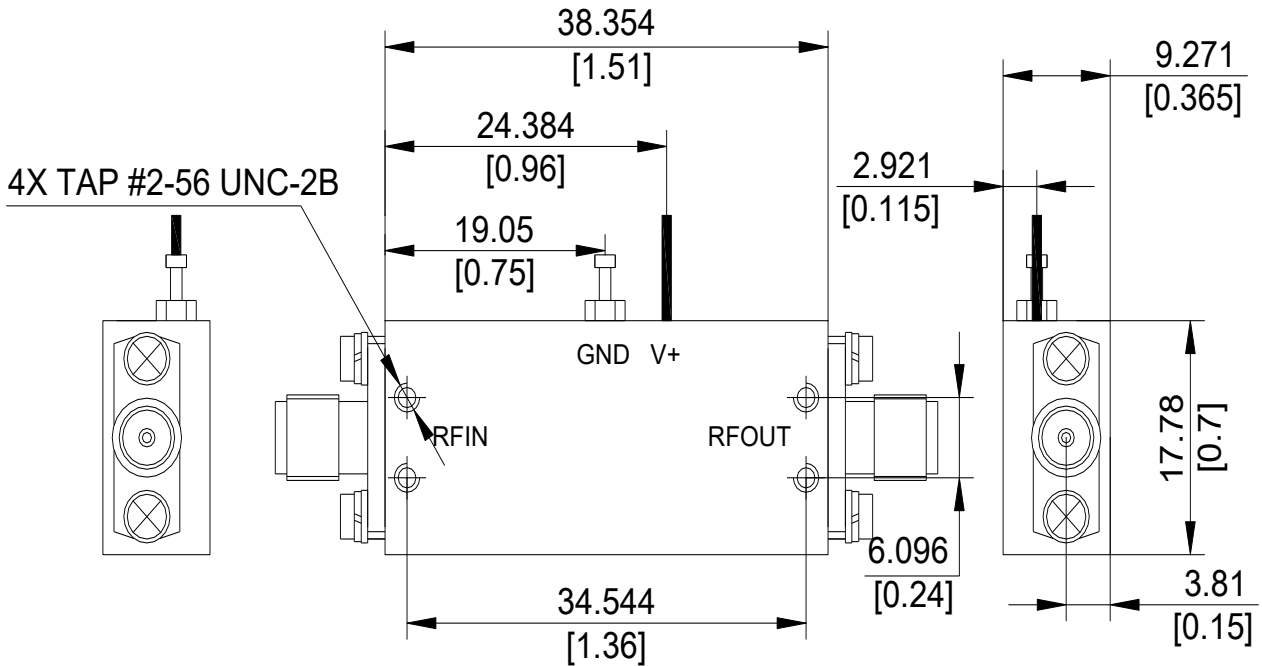
Electrical Specifications				
Parameter	Min.	Typ.	Max.	Units
Frequency Range	18		40	GHz
VSWR IN		1.8	2.5	
VSWR OUT		1.8	2.5	
Small Signal Gain	43	47	50	dB
Gain Flatness		±2.0	±2.75	dB
Noise Flatness		3.5	4.5	dB
Output at 1dB Compression Point	8	12		dBm
Output at 3rd Intercept Point		20		dBm
DC Power Supply @ +12 Volts		220	400	mA

Environmental Conditions	
Storage Temperature	-55°C to +85°C
Operational Temperature	-40°C to 70°C
V+	+8VDC to +18VDC

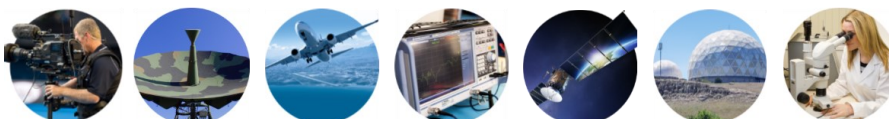
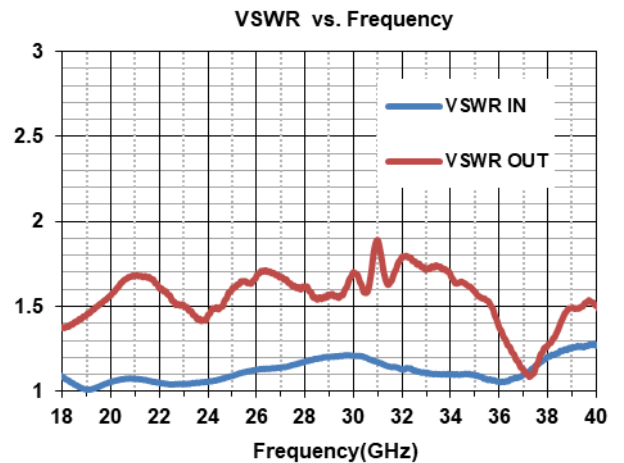
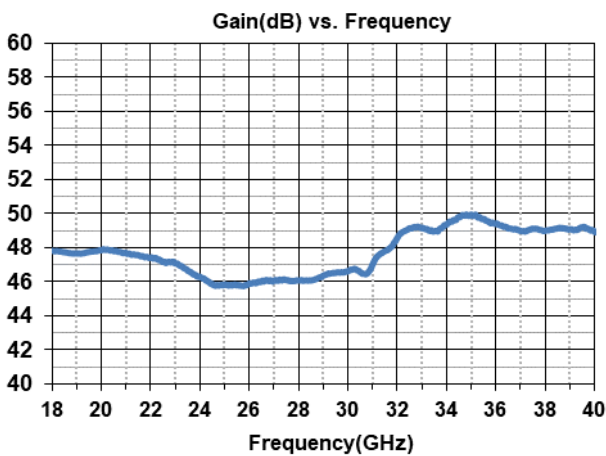


Outline Drawing:

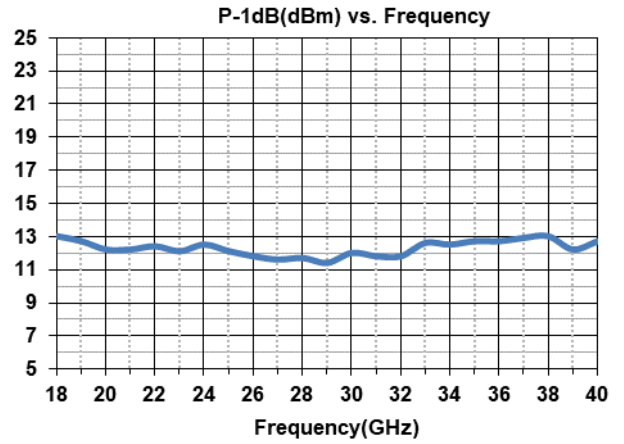
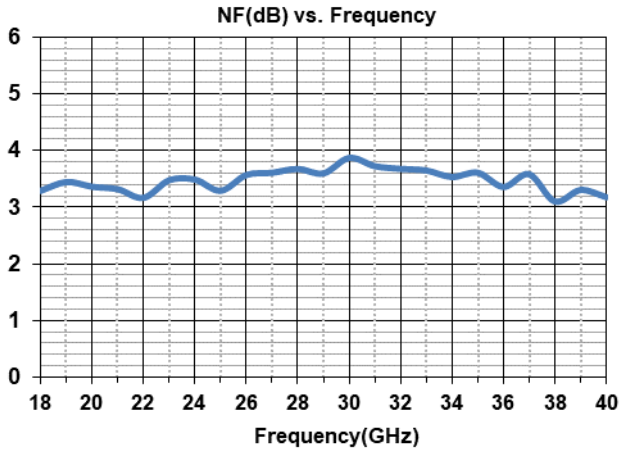
All Dimensions in mm (inches)



Typical performance Data:



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- Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
- Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.
- Note 3: The case temperature of the device shall never exceed +50°C. Use proper heatsink or fan if necessary.
- Note 4: Proper torque, 8.0 ± 0.15 inch-pounds (0.92 ± 0.05 Nm).

