

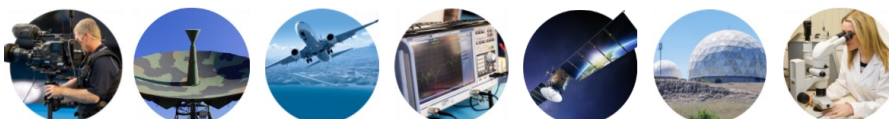
Low Noise Amplifier

15 to 27 GHz

- Low Noise Figure
- High Output 1dB Compression Point
- 15 to 27 GHz Frequency Range

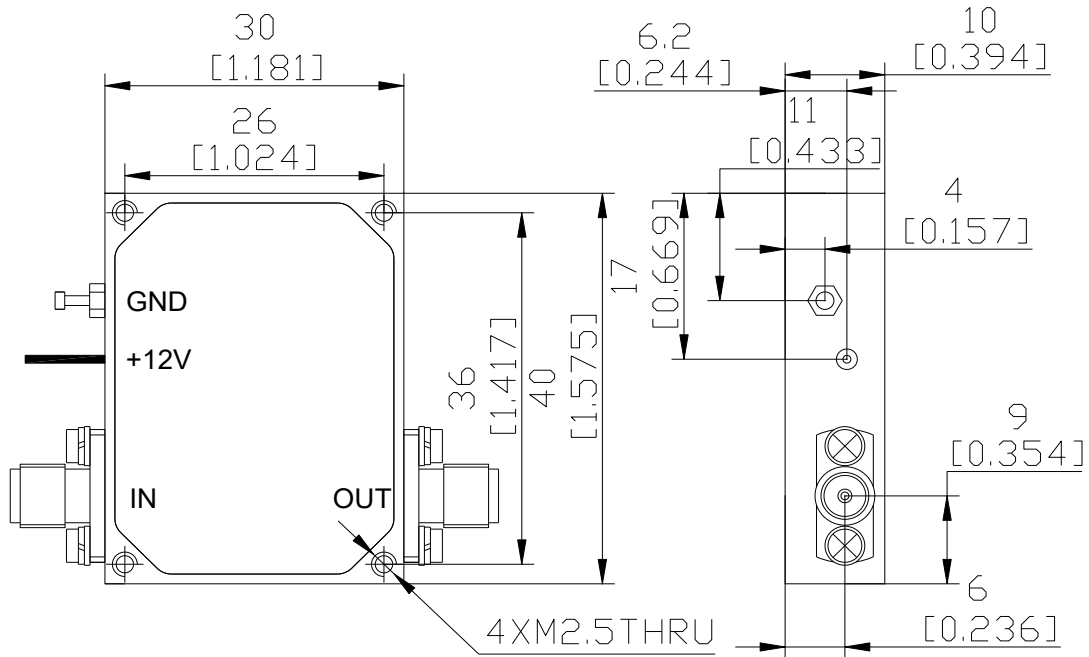
Electrical Specifications				
Parameter	Min.	Typ.	Max.	Units
Frequency Range	15		27	GHz
VSWR IN		1.8	2.3	
VSWR OUT		2.0		
Small Signal Gain	31	41		dB
Gain Variation Over Temperature		±1.0		dB
Gain Flatness		±2.0		dB
Noise Flatness		2.5	3.5	dB
Output at 1dB Compression Point	25	28		dBm
Saturated Output Power (P _{sat})		30		dBm
Output at 3rd Intercept Point		36		dBm
Reverse Isolation	-55	-65		dB
DC Power Supply @ +12 Volts		450	500	mA

Environmental Conditions	
Storage Temperature	-55°C to +125°C
Operational Temperature	-45°C to 85°C
V+	+12VDC to +18VDC

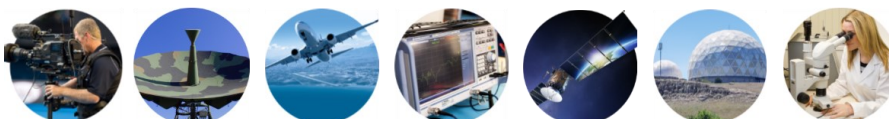
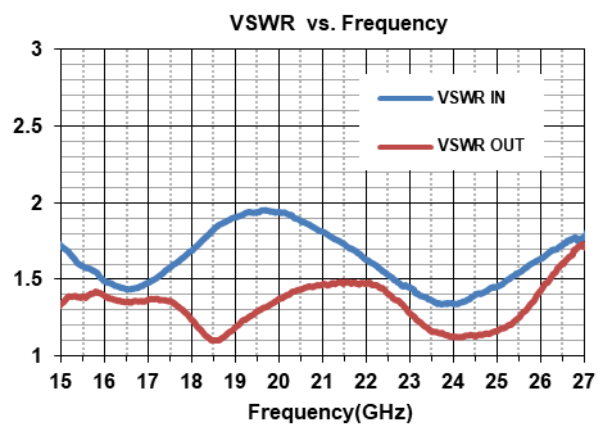
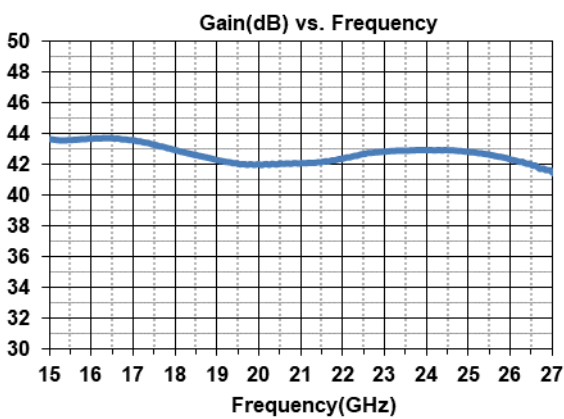


Outline Drawing:

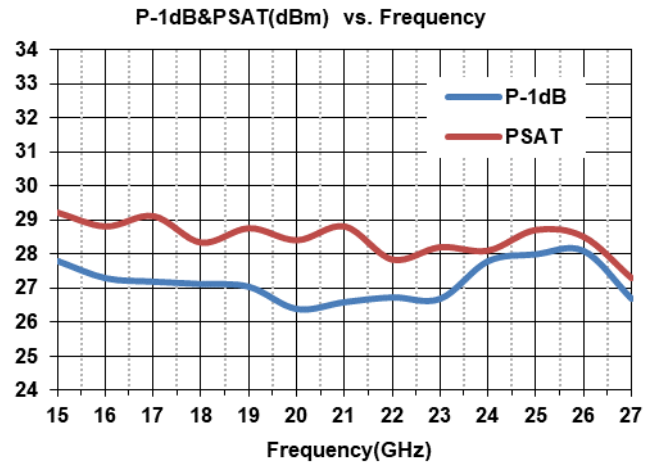
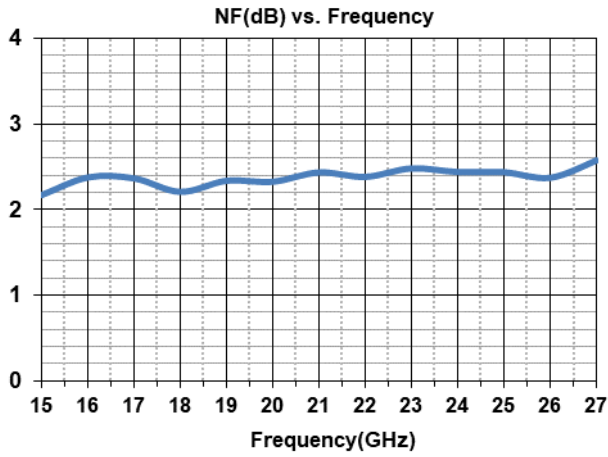
All Dimensions in mm (inches)



Typical performance Data:



Typical performance Data:



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).

