

PE2-35-8G12G-2R5-15-12-SFF

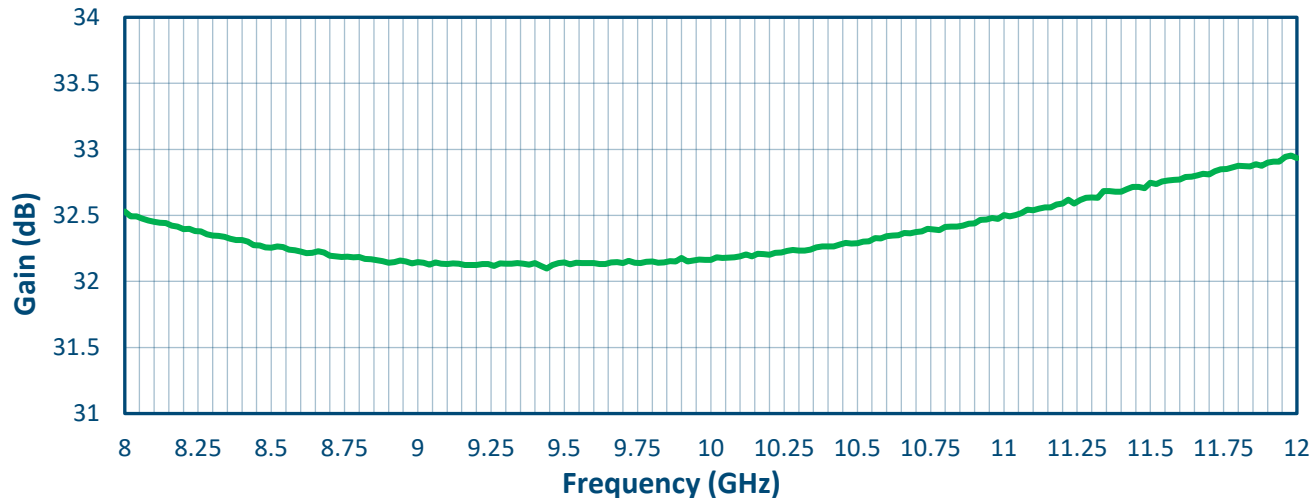
Low Noise Amplifier

Quantic PMI Model No. PE2-35-8G12G-2R5-15-12-SFF is an 8.0 to 12.0 GHz Low noise amplifier designed for military and industrial applications. This amplifier offers a typical 1.5 dB Noise Figure with 32 dB of gain and +19 dBm output P1dB. The amplifier requires +12 to +15 VDC and has a typical current draw of 240 mA. Unit is supplied with removable SMA (F) connectors in our standard PE2 housing that can be used as a SMA connectorized or surface mount component. Other packages and connector types are available.

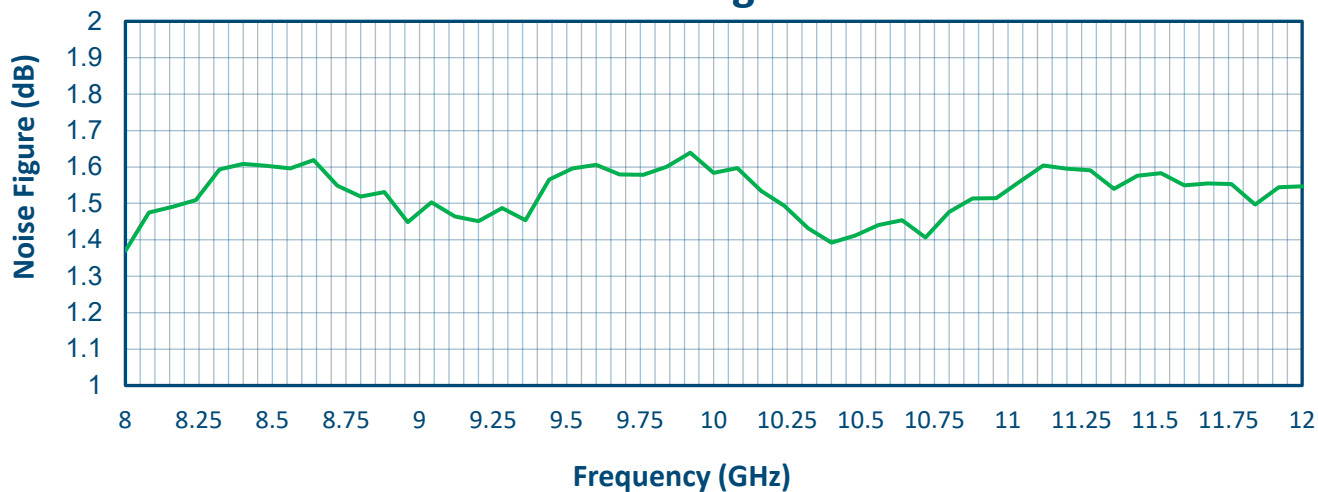


Performance

Gain



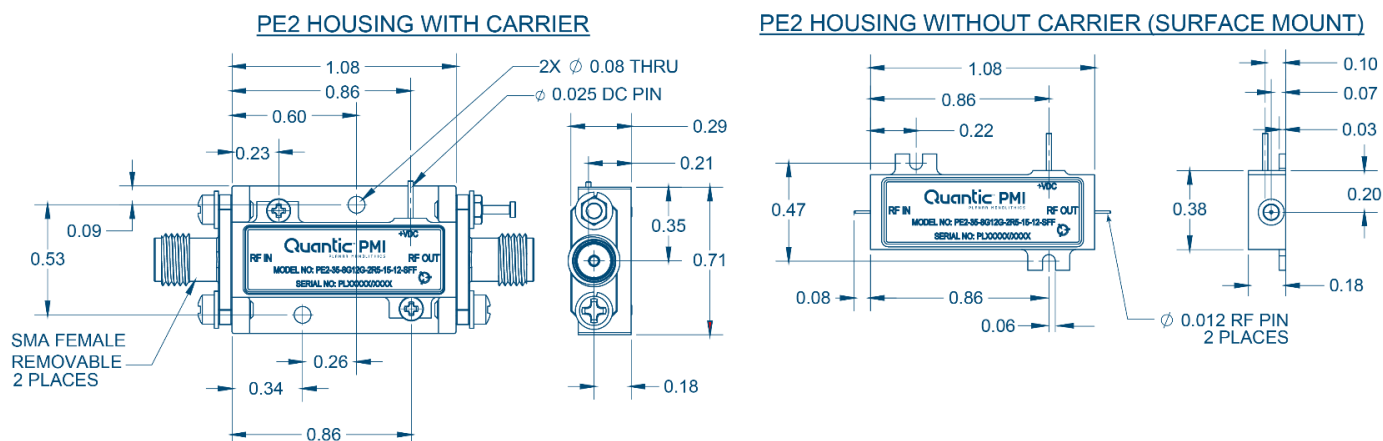
Noise Figure



Specifications

Frequency Range:	8.0 to 12.0 GHz
Gain:	30 dB Min
Noise Figure:	2.5 dB Max
Gain Flatness:	±1.0 dB Max
OP1dB:	+15 dBm Min
VSWR In/Out:	2.0:1 Max
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	250 mA Max
Environmental Ratings:	
Temperature	Operating: -55 °C to +85 °C Storage: -65 °C to +125 °C
Humidity:	MIL-STD-202F, Method 103B Cond. B
Shock:	MIL-STD-202F, Method 213B Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

Physical Dimensions



Dimensions = inches [mm]

More Information: <https://www.pmi-rf.com/product-details/pe2-35-8g12g-2r5-15-12-sff>