

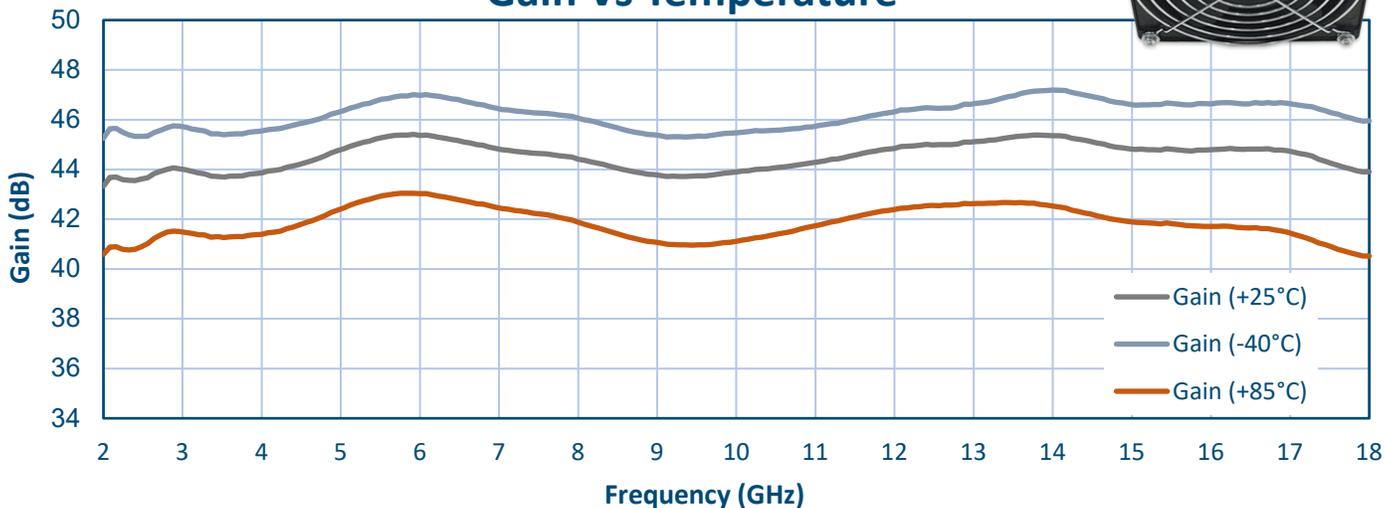
PA-2G18G-43-5-40-SFF High Power Amplifier

Quantic PMI Model PA-2G18G-43-5-40-SFF is a high-power amplifier designed for a remarkably low noise figure of 3.5 dB and Psat of 40 dBm (10 W) over the 8 to 12 GHz frequency range with a high gain of +43 dB and ±1.5 dB gain flatness. This model has removable SMA connectors and an ultra-small package of 1.3" x 1.8" x 0.88". Optional model PA-2G18G-43-5-40-SFF available with heatsink and 120 Vac cooling fan.

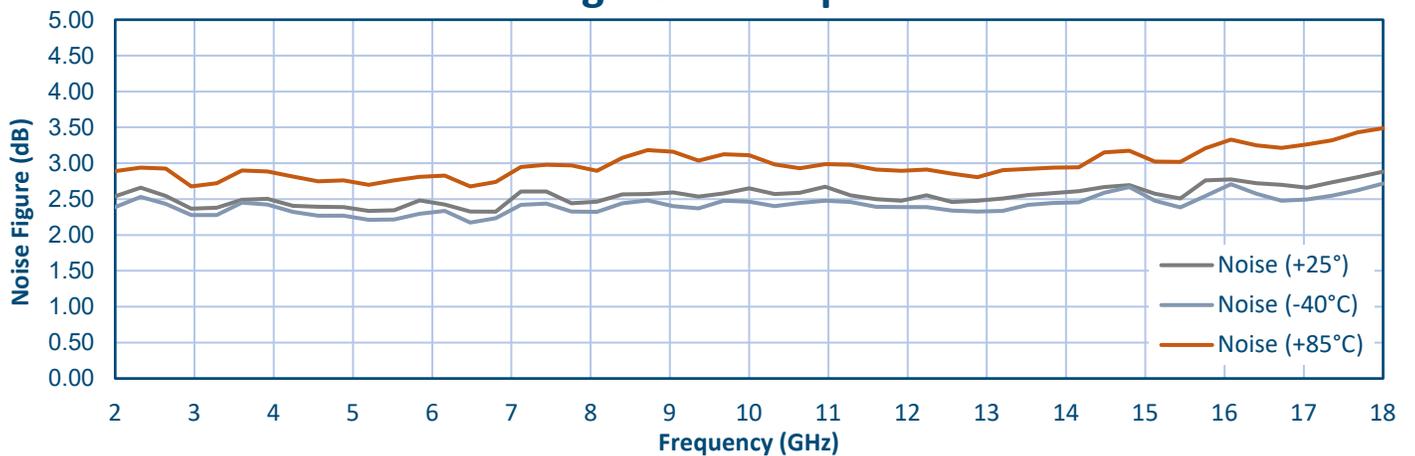


Performance

Gain Vs Temperature



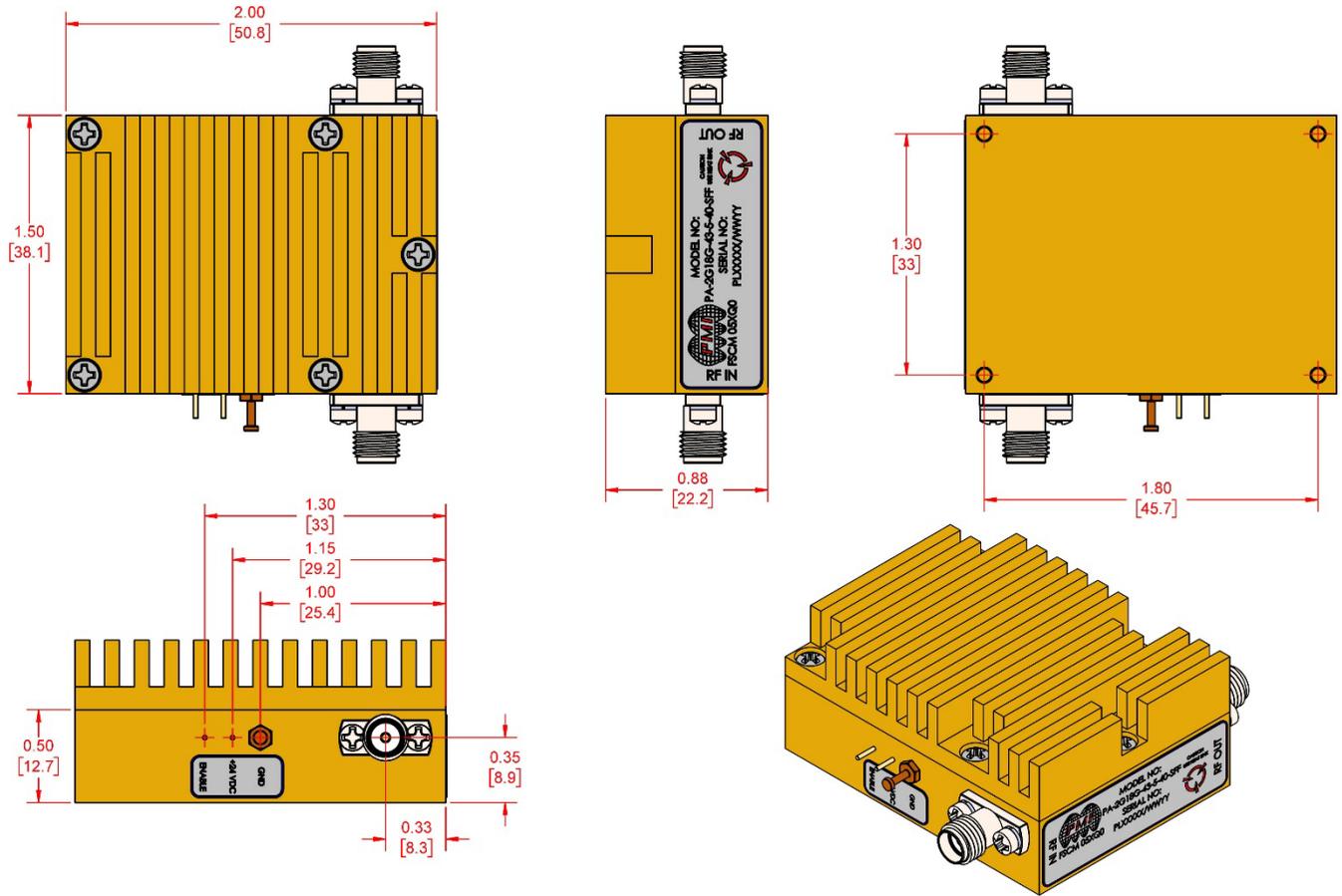
Noise Figure Vs Temperature



Specifications

Frequency Range:	2.0 to 18.0 GHz
Gain:	40 dB Typ, 35 dB Min
Gain Flatness:	±1.5 dB Typ
Noise Figure:	3.5 dB Typ, 5.0 dB Max
Input Power:	20 dBm Max
OP1dB:	+40 dBm Typ, +38 dBm Min
VSWR In/Out:	2.0:1 Max
DC Voltage Supply:	+22 VDC
DC Current (Typical):	Quiescent and maximum current: -30 dBm Input Power @ -40 °C: 1,860 mA +20 dBm Input Power @ -40 °C: 2,550 mA -30 dBm Input Power @ +25 °C: 2,150 mA +20 dBm Input Power @ +25 °C: 3,200 mA -30 dBm Input Power @ +85 °C: 2,400 mA +20 dBm Input Power @ +85 °C: 3,300 mA
Connectors:	SMA Female removable
Environmental Ratings:	
Temperature	Operating: -40 °C to +85 °C Storage: -55 °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/pa-2g18g-43-5-40-sff>