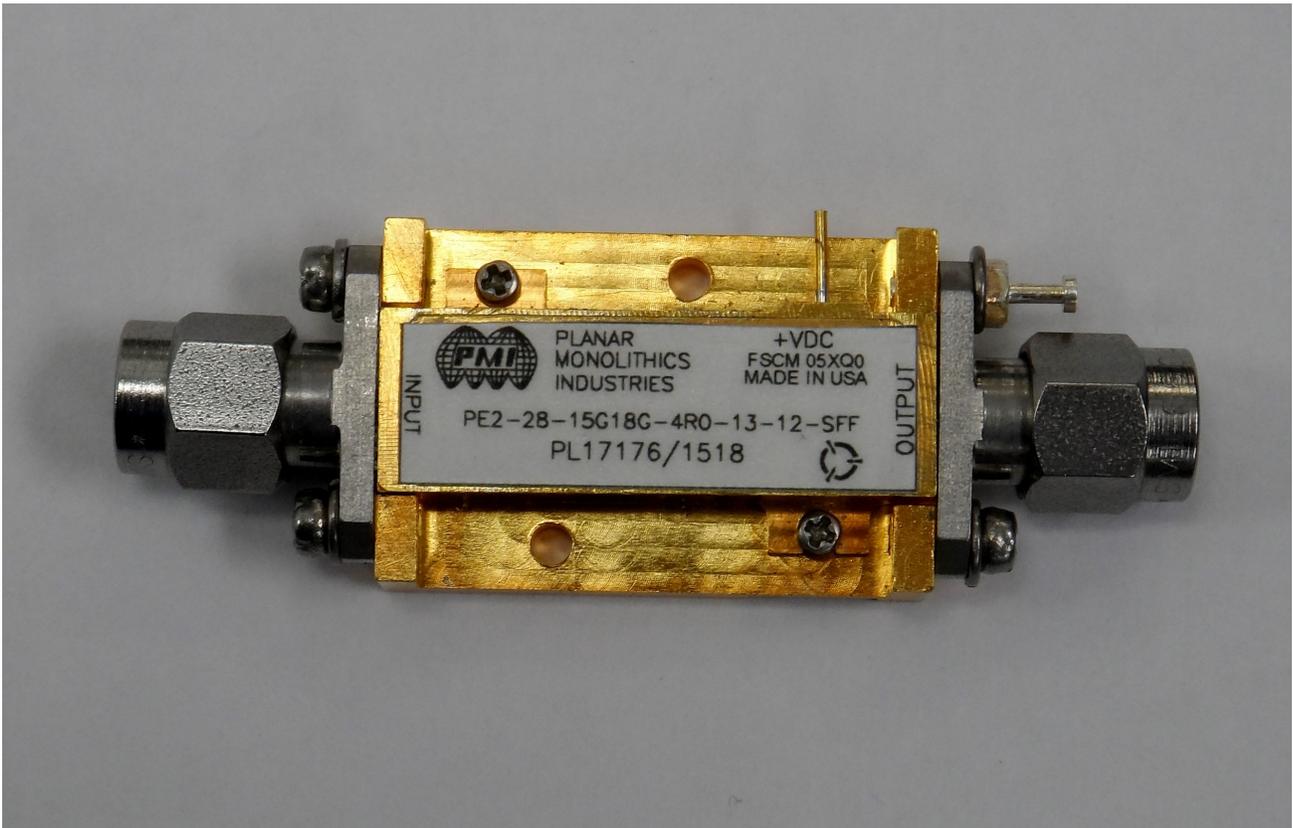




Typical Characteristics on PE2-28-15G18G-4R0-13-12-SFF

PE2-28-15G18G-4R0-13-12-SFF is a 15 to 18 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or surface mount component.



April 28, 2015

Designed by: PMI Engineering

Reported by: Kevin Mansfield



Typical Characteristics

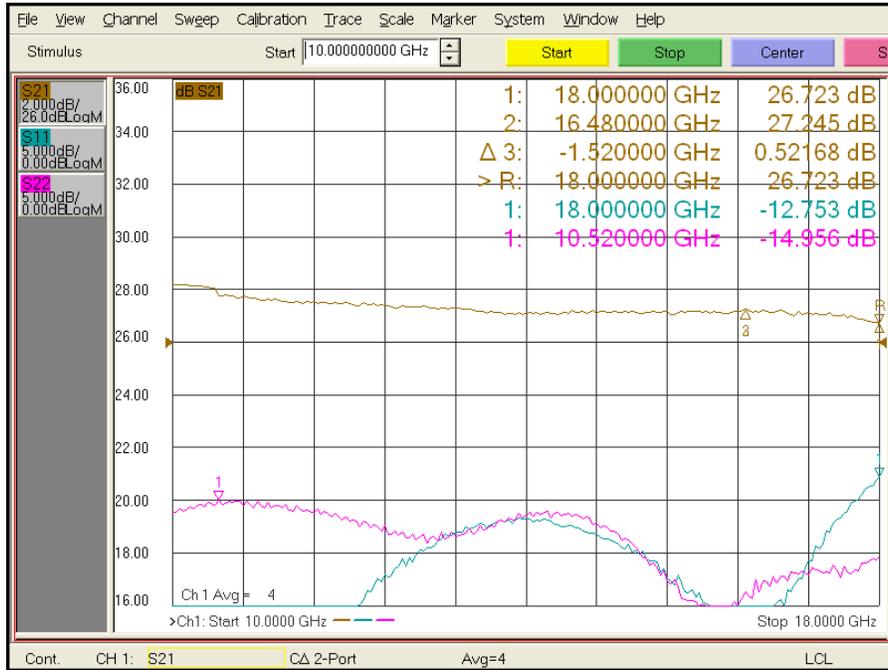
on
PE2-28-15G18G-4R0-13-12-SFF

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	15 GHz – 18 GHz	15 GHz – 18 GHz (See Plot)	
2	Gain Nominal:	26dB Typ. @ 10 – 18 GHz	26.7dB (See Plot)	
3	Gain Flatness:	±0.5dB Max. @ +25°C ±0.75dB Max. @ -55°C to +85°C	±0.26db ±0.52db	
4	Noise Figure:	4.0dB Max.	3.92dB (See Plot)	
5	Pout @ 1dB Compression:	+13dBm Min.	>+13dBm	
6	VSWR: (Input/Output)	1.5:1 Typ 1.8:1 Max.	1.6:1 (See Plot)	
7	Max Input Power:	+20dBm CW	Pass	
8	Isolation:	-65dB Typ @ 10 to 13 GHz -60dB Typ. @ 15 to 18GHz	-70dB -59dB (See Plot)	
9	DC Supply:	+12 to +15V @ 200mA Max.	+12 to +15V @ 127mA	

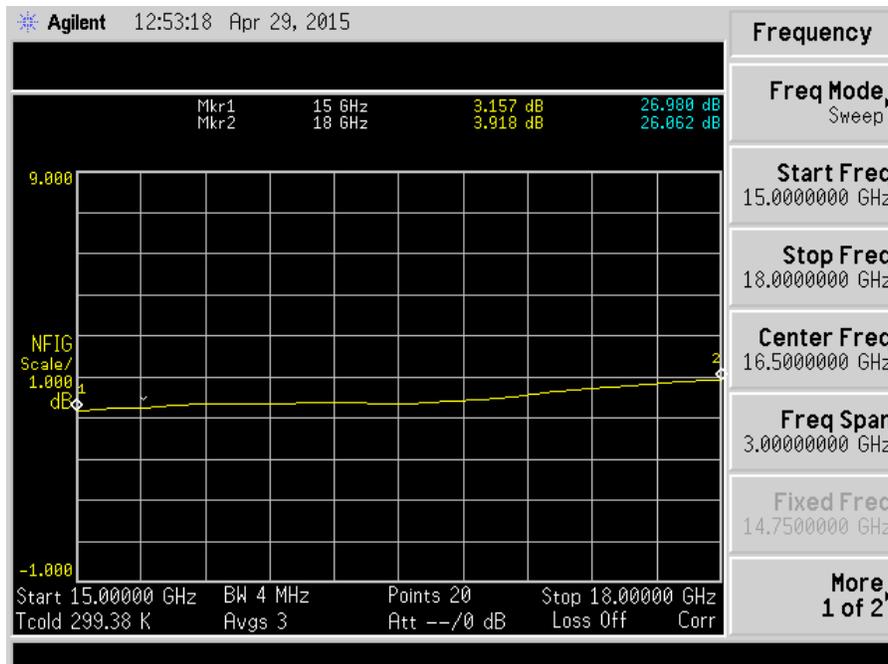


Typical Characteristics on PE2-28-15G18G-4R0-13-12-SFF

Gain and Return Loss



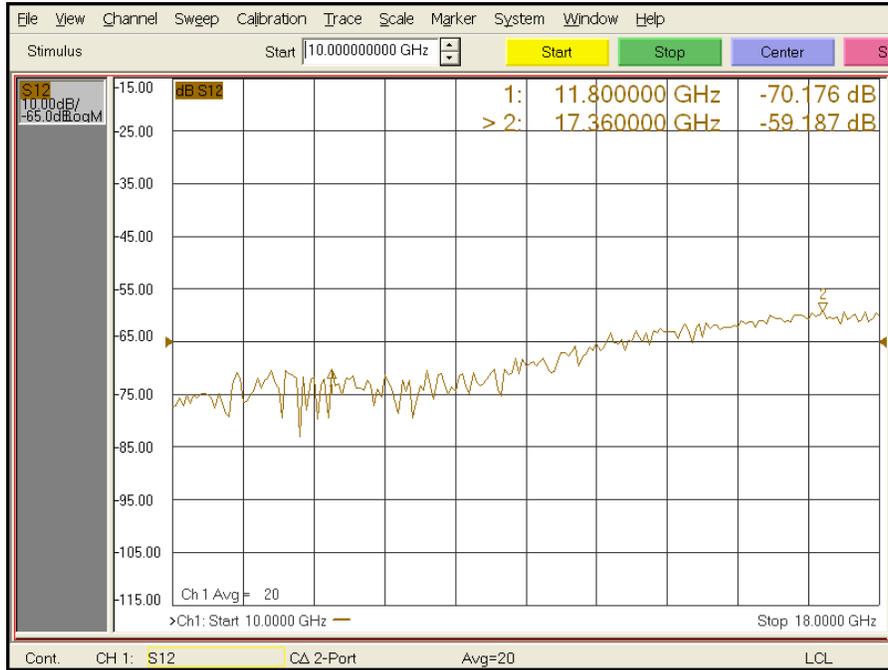
Noise Figure





Typical Characteristics on PE2-28-15G18G-4R0-13-12-SFF

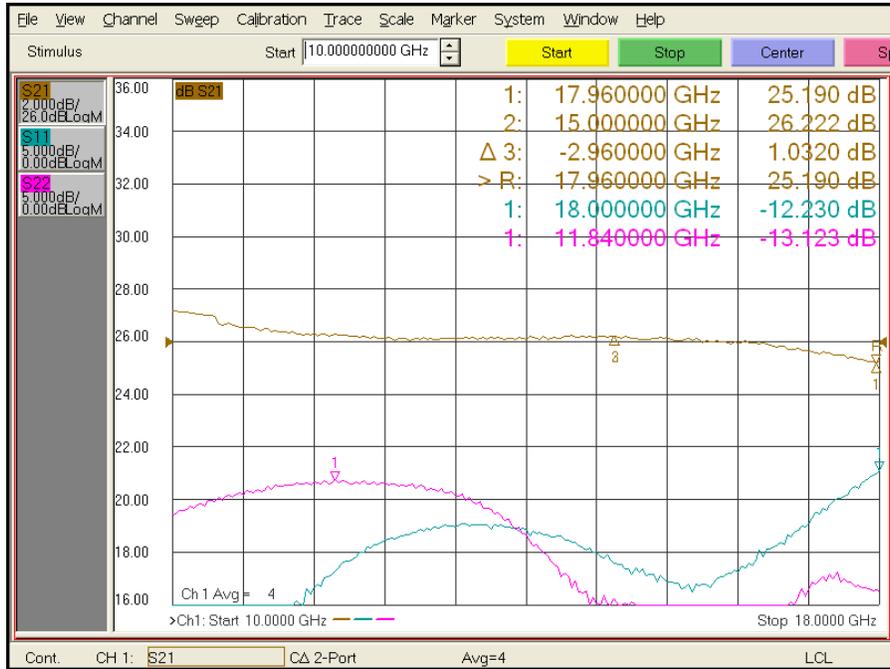
Reverse Isolation



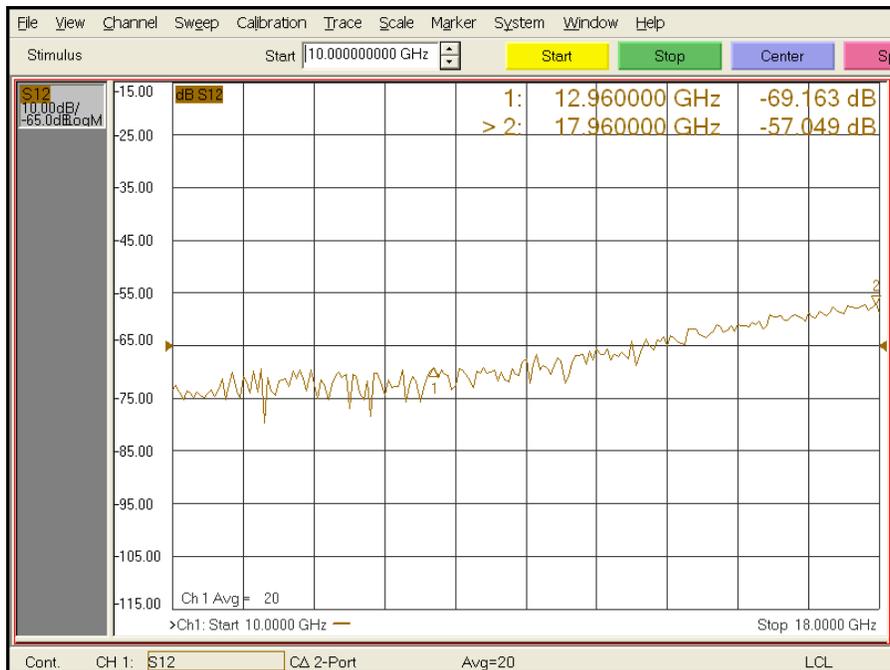


Typical Characteristics on PE2-28-15G18G-4R0-13-12-SFF

Gain and Return Loss @ -55° C



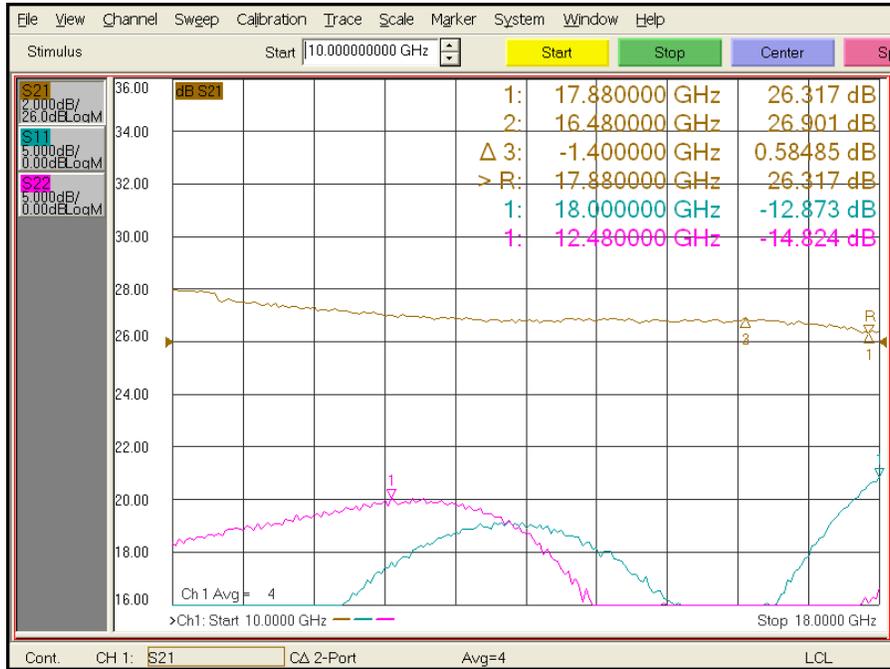
Isolation @ -55° C





Typical Characteristics on PE2-28-15G18G-4R0-13-12-SFF

Gain and Return Loss @ +85° C



Isolation @ +85° C

