



Amplifier Datasheet

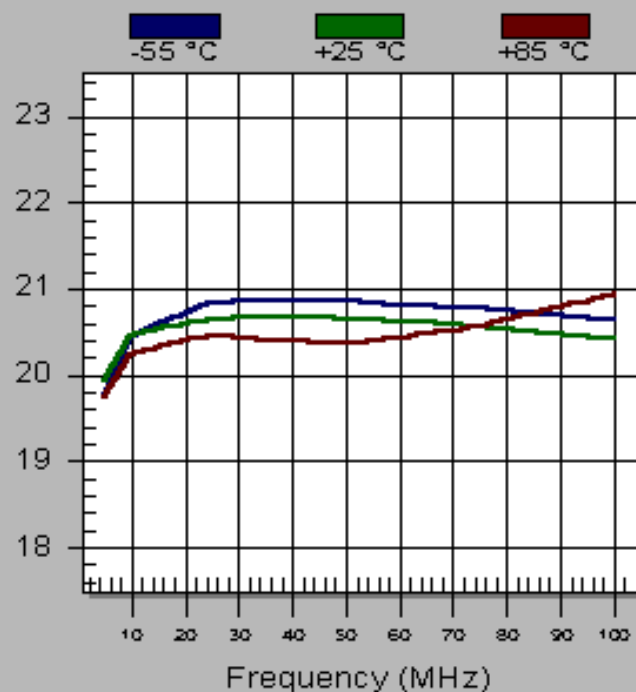
TM5125

Product Data Summary

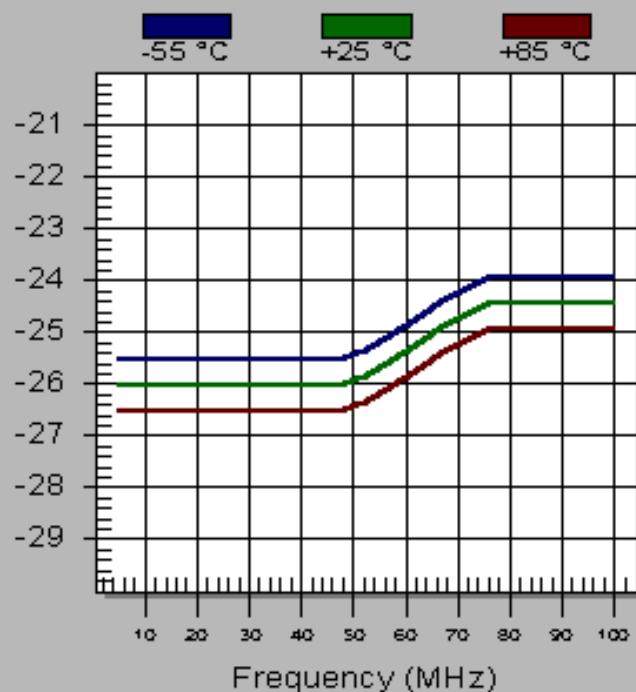
Parameter	Min/Max	Typical
Operating Frequency	10 - 100 MHz	
Noise Figure	3.0 dB	2.0 dB
Gain	19.5 dB	20.5 dB
Power Output (1 dB Compression)	+22.5 dBm	+24.0 dBm
2nd Order Intercept		+52.0 dBm
3rd Order Intercept		+40.0 dBm
Reverse Isolation	-23.0 dB	-24.0 dB
VSWR Input	2.2:1	1.7:1
VSWR Output	2.0:1	1.4:1
DC Voltage		15.0 V
DC Current		80.0 mA

Typical Performance

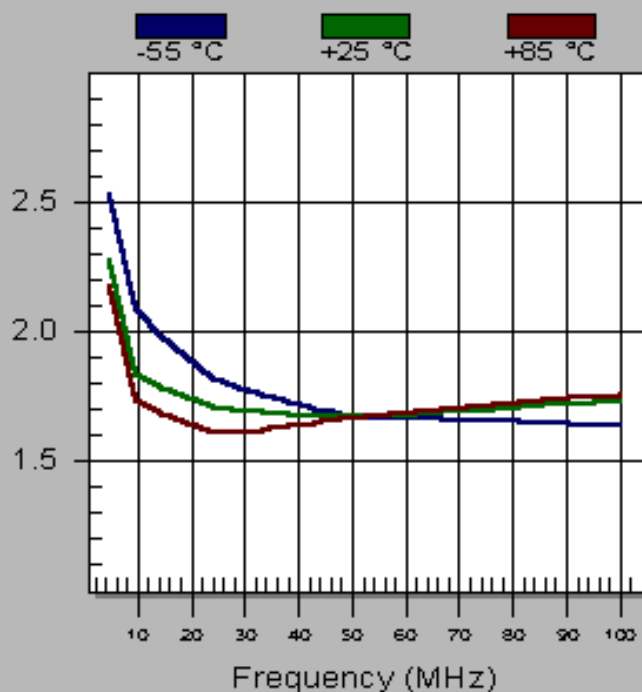
TM5125 Gain (dB)



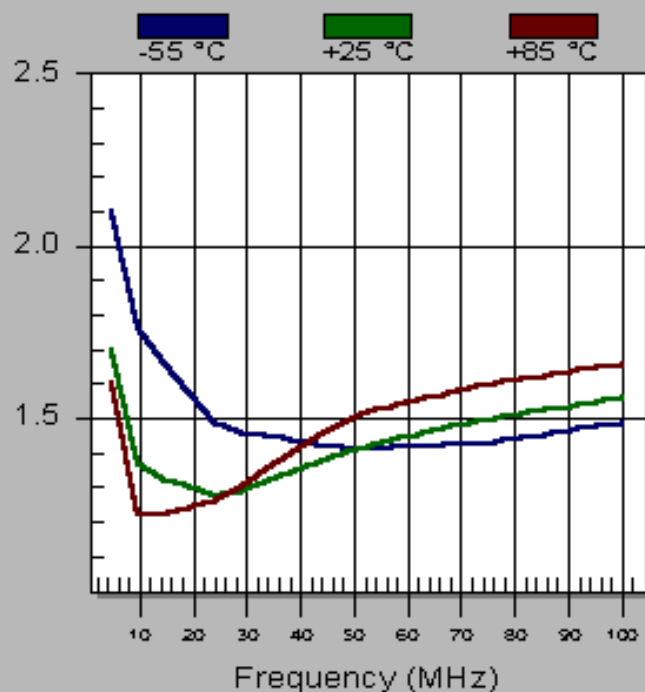
TM5125 Reverse Isolation (dB)

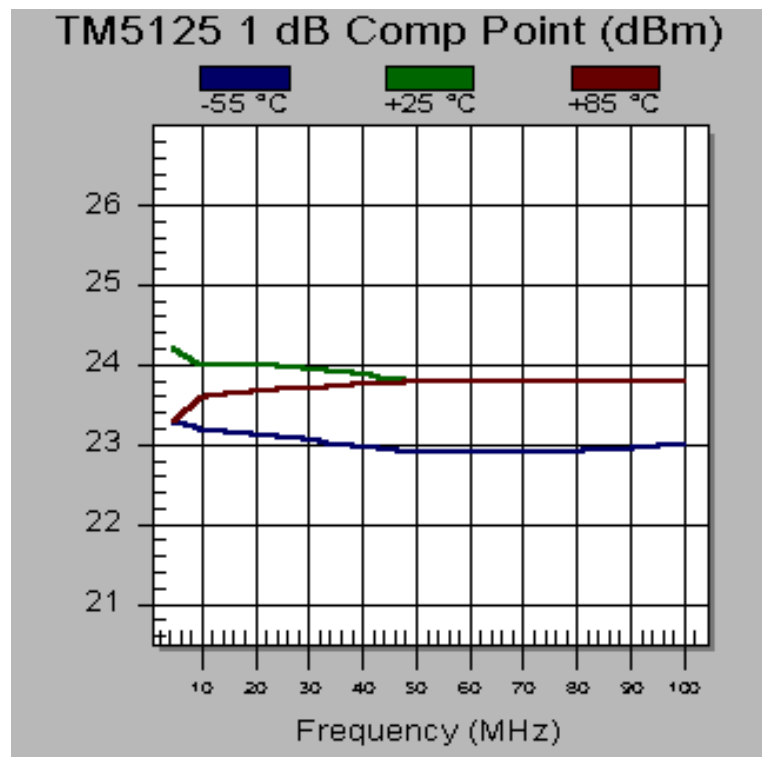
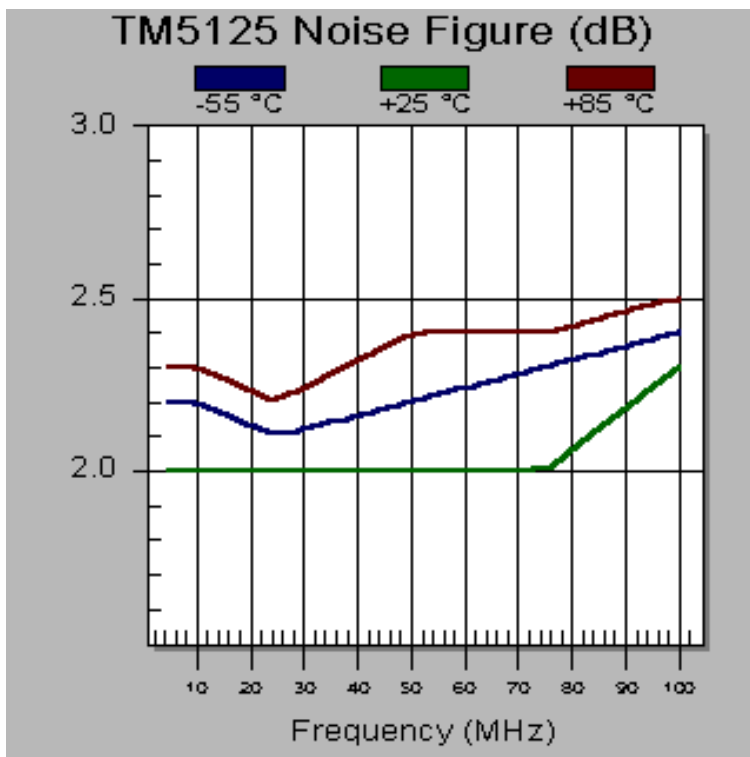


TM5125 Input VSWR



TM5125 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.390	-32.9	9.94	-151.5	0.0500	-151.8	0.260	-19.9
10	0.290	-26.3	10.56	-168.3	0.0500	-172.1	0.150	-23.6
25	0.260	-20.1	10.79	176.2	0.0500	169.9	0.120	8.6
50	0.250	-25.1	10.79	162.5	0.0500	154.5	0.170	18.8
75	0.260	-34.7	10.69	150.8	0.0600	139.8	0.200	15.6
100	0.270	-46.9	10.52	140.0	0.0600	126.9	0.220	8.5

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Information in this document is subject to change without notice.