



Amplifier Datasheet

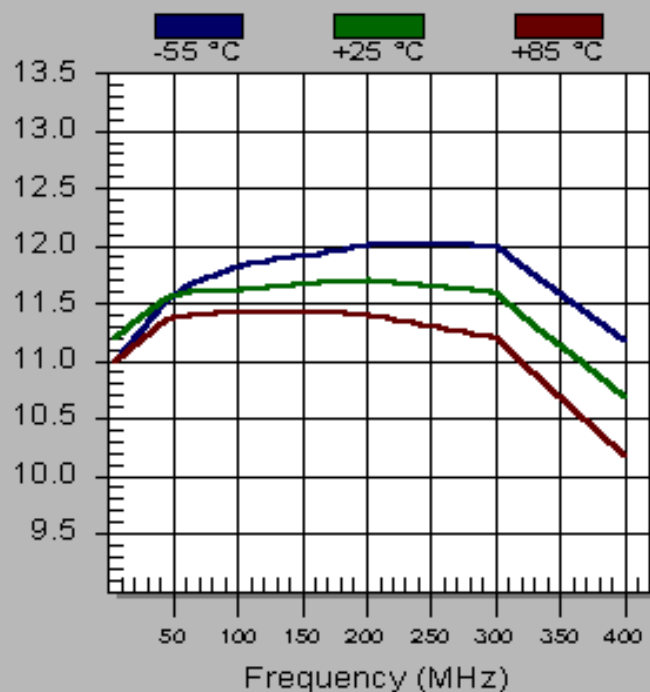
TM5103

Product Data Summary

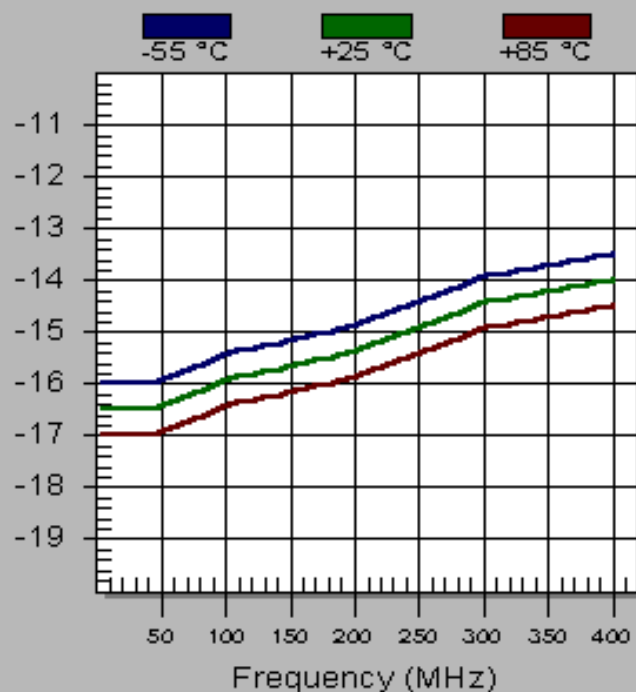
Parameter	Min/Max	Typical
Operating Frequency	5 - 300 MHz	
Noise Figure	6.5 dB	5.0 dB
Gain	10.0 dB	11.5 dB
Power Output (1 dB Compression)	+21.0 dBm	+23.0 dBm
2nd Order Intercept		+45.0 dBm
3rd Order Intercept		+36.0 dBm
Reverse Isolation	-14.0 dB	-14.5 dB
VSWR Input	2.0:1	1.3:1
VSWR Output	2.0:1	1.3:1
DC Voltage		15.0 V
DC Current		85.0 mA

Typical Performance

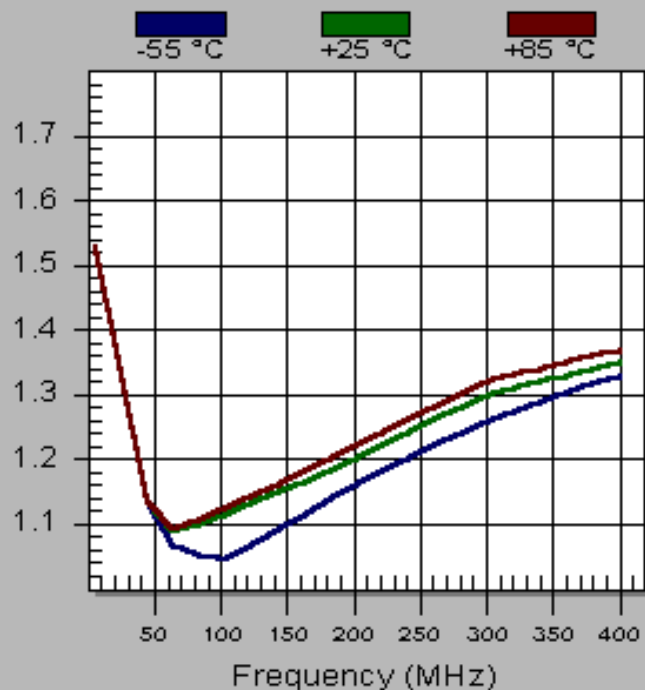
TM5103 Gain (dB)



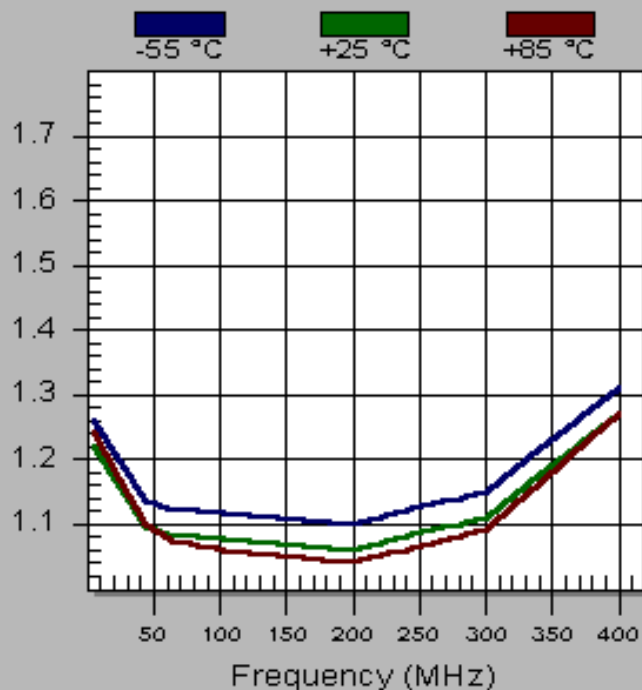
TM5103 Reverse Isolation (dB)

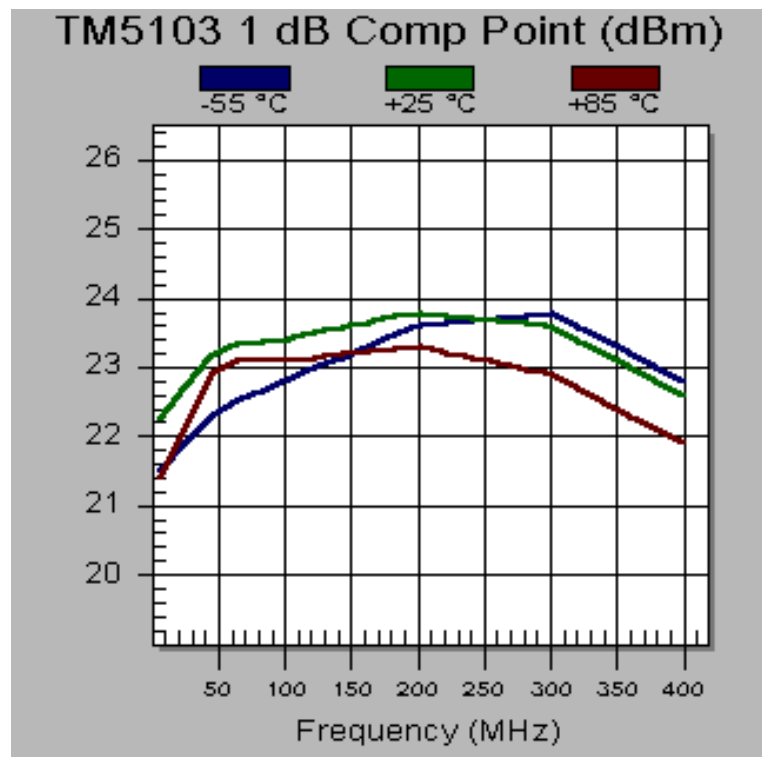
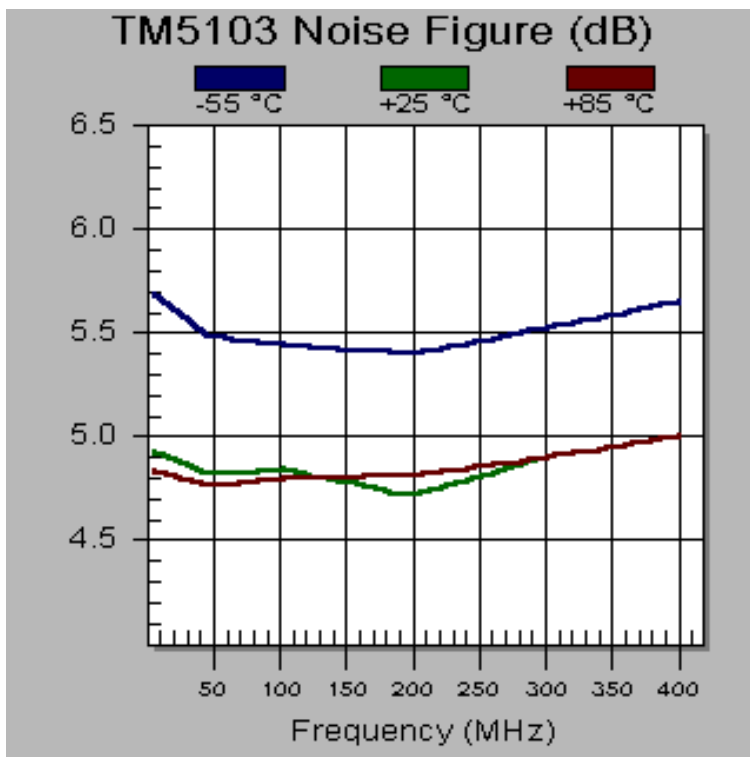


TM5103 Input VSWR



TM5103 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.210	-65.0	3.63	-160.0	0.1500	10.0	0.100	81.0
50	0.040	-26.0	3.80	169.0	0.1500	2.0	0.040	6.0
100	0.050	-13.0	3.81	155.0	0.1600	3.0	0.040	-23.0
200	0.090	-34.0	3.85	127.0	0.1700	3.0	0.030	-88.0
300	0.130	-68.0	3.80	97.0	0.1900	1.0	0.050	159.0
400	0.150	-108.0	3.42	63.0	0.2000	-5.0	0.120	98.0

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Information in this document is subject to change without notice.