



Amplifier Datasheet

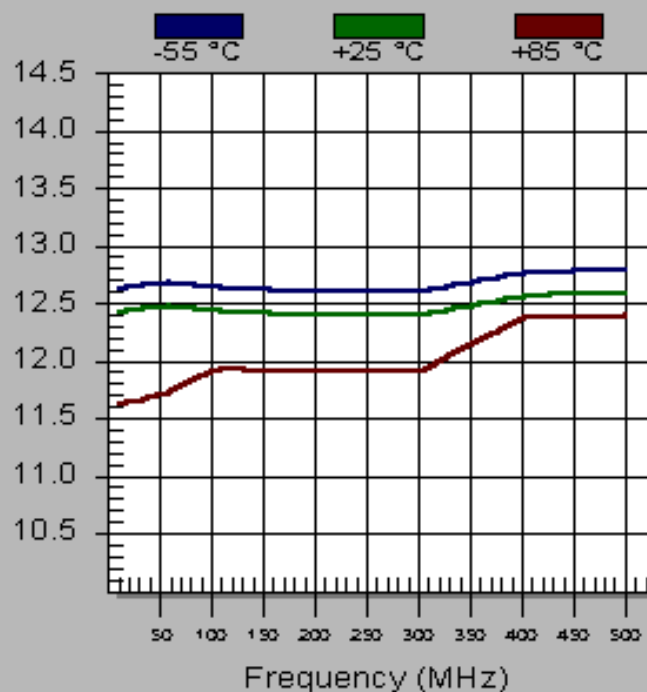
TM5104

Product Data Summary

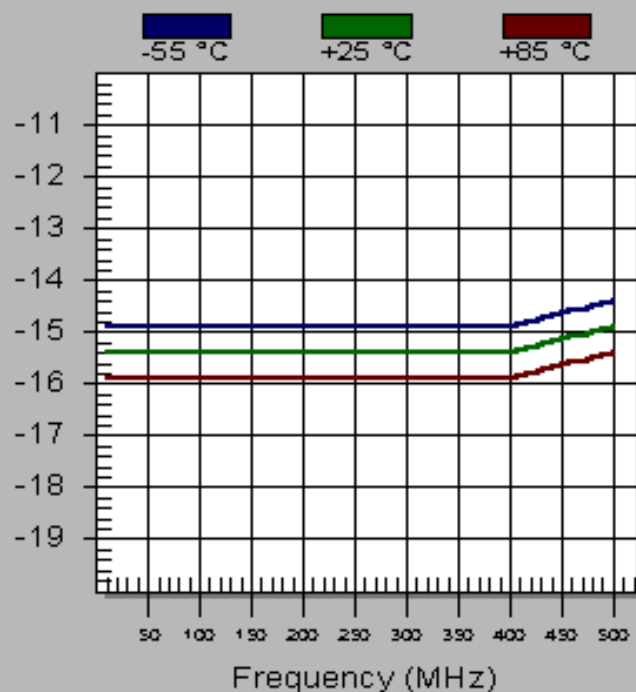
Parameter	Min/Max	Typical
Operating Frequency	10 - 500 MHz	
Noise Figure	3.5 dB	2.0 dB
Gain	10.5 dB	12.0 dB
Power Output (1 dB Compression)	+13.0 dBm	+15.0 dBm
2nd Order Intercept		+46.0 dBm
3rd Order Intercept		+32.0 dBm
Reverse Isolation	-14.5 dB	-15.5 dB
VSWR Input	2.0:1	1.4:1
VSWR Output	2.0:1	1.5:1
DC Voltage		15.0 V
DC Current		35.0 mA

Typical Performance

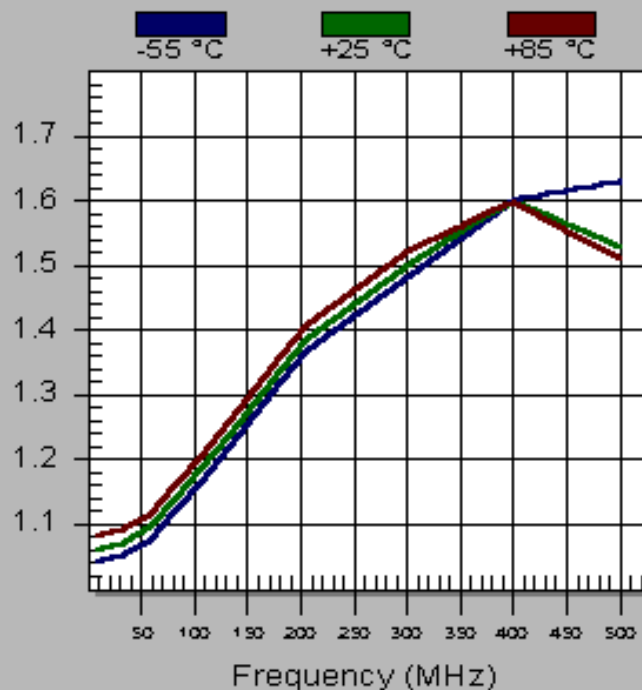
TM5104 Gain (dB)



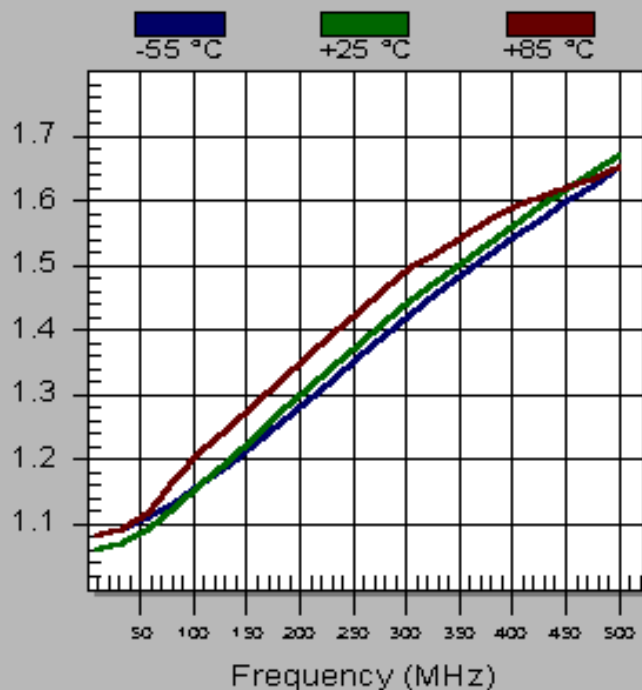
TM5104 Reverse Isolation (dB)

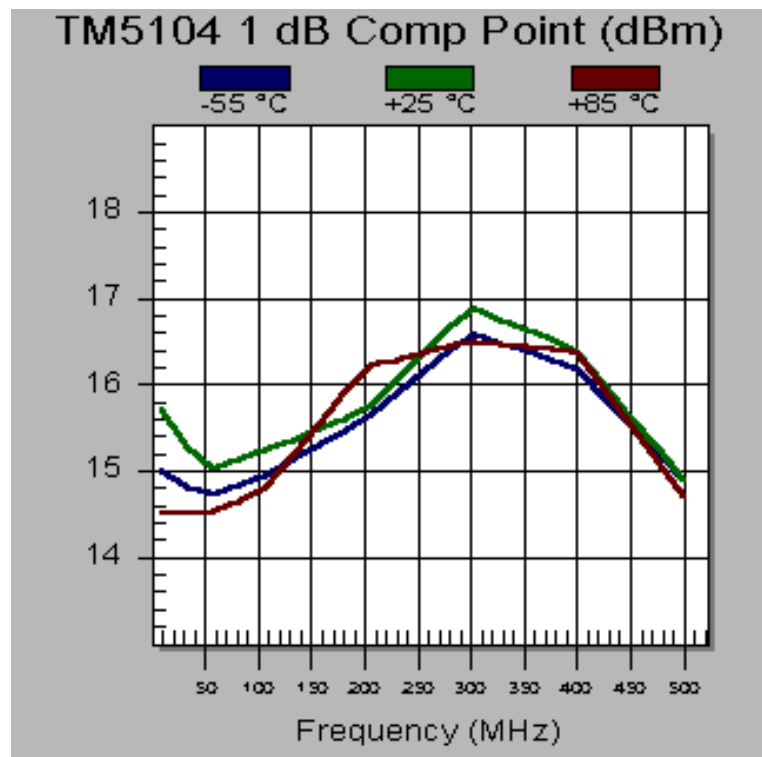
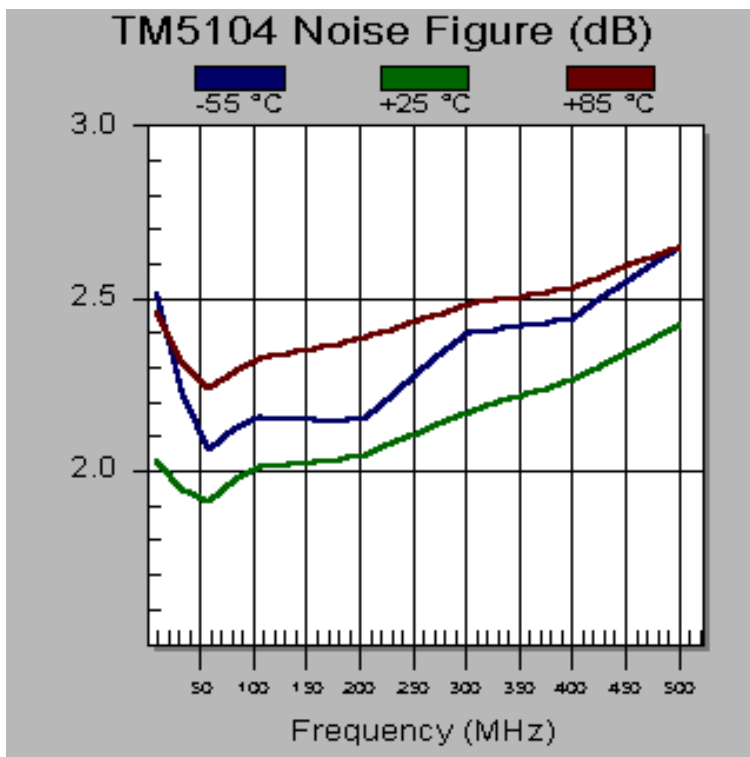


TM5104 Input VSWR



TM5104 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
10	0.030	-144.0	4.18	-171.0	0.1700	-171.0	0.030	-152.0
50	0.040	112.0	4.21	174.0	0.1700	173.0	0.040	122.0
100	0.080	89.0	4.19	165.0	0.1700	163.0	0.070	92.0
200	0.160	60.0	4.17	148.0	0.1700	145.0	0.130	56.0
300	0.200	36.0	4.17	132.0	0.1700	129.0	0.180	29.0
400	0.230	15.0	4.25	116.0	0.1700	114.0	0.220	5.0
500	0.210	-5.0	4.26	98.0	0.1800	99.0	0.250	-19.0

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