



Amplifier Datasheet

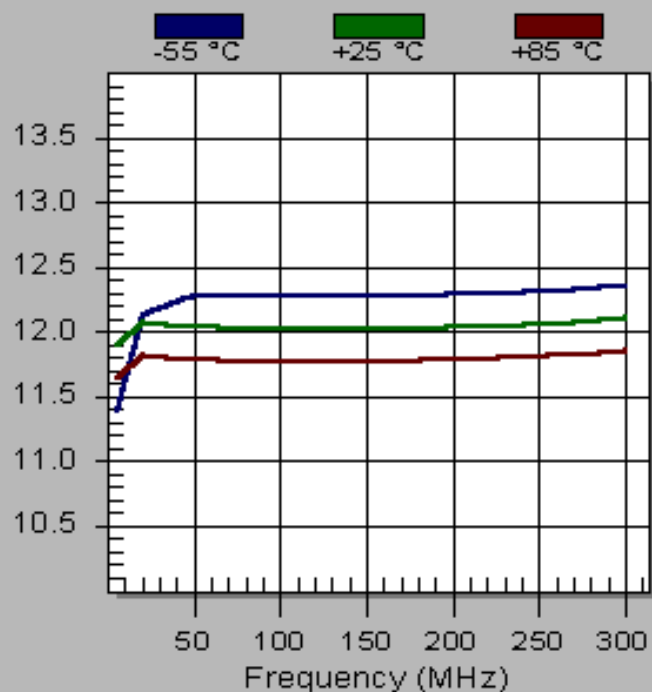
TM5105

Product Data Summary

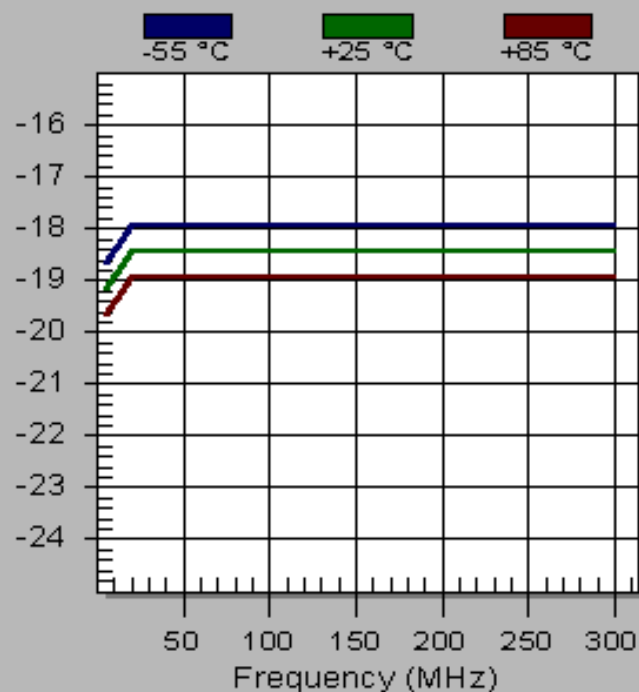
Parameter	Min/Max	Typical
Operating Frequency	5 - 300 MHz	
Noise Figure	4.0 dB	2.8 dB
Gain	11.0 dB	12.0 dB
Power Output (1 dB Compression)	+5.5 dBm	+7.0 dBm
2nd Order Intercept		+29.0 dBm
3rd Order Intercept		+21.0 dBm
Reverse Isolation	-16.0 dB	-18.5 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.6:1
DC Voltage		15.0 V
DC Current		17.0 mA

Typical Performance

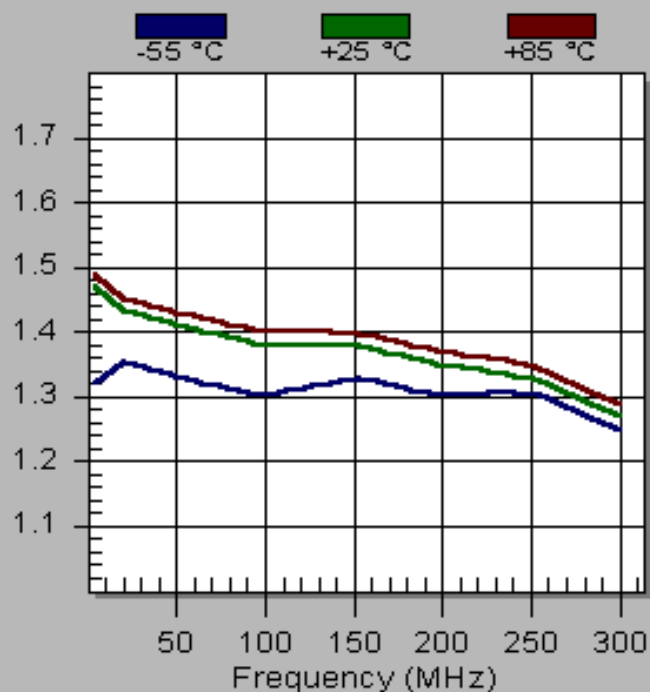
TM5105 Gain (dB)



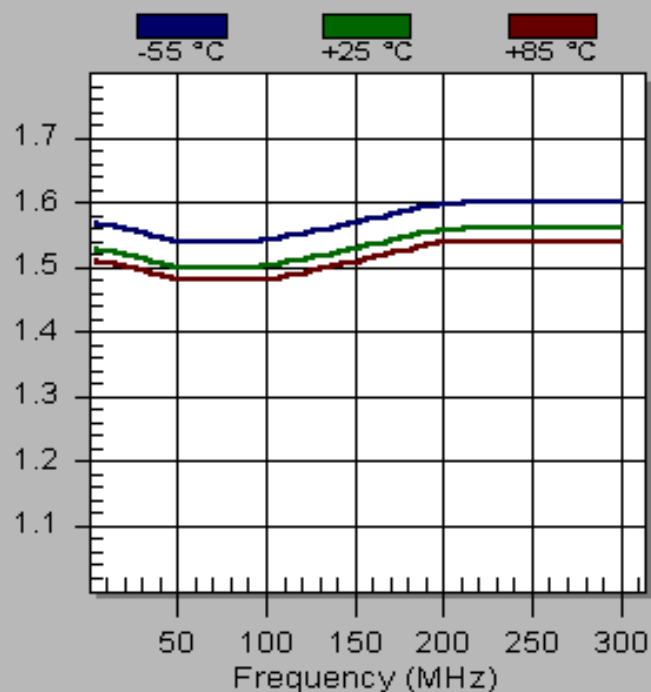
TM5105 Reverse Isolation (dB)

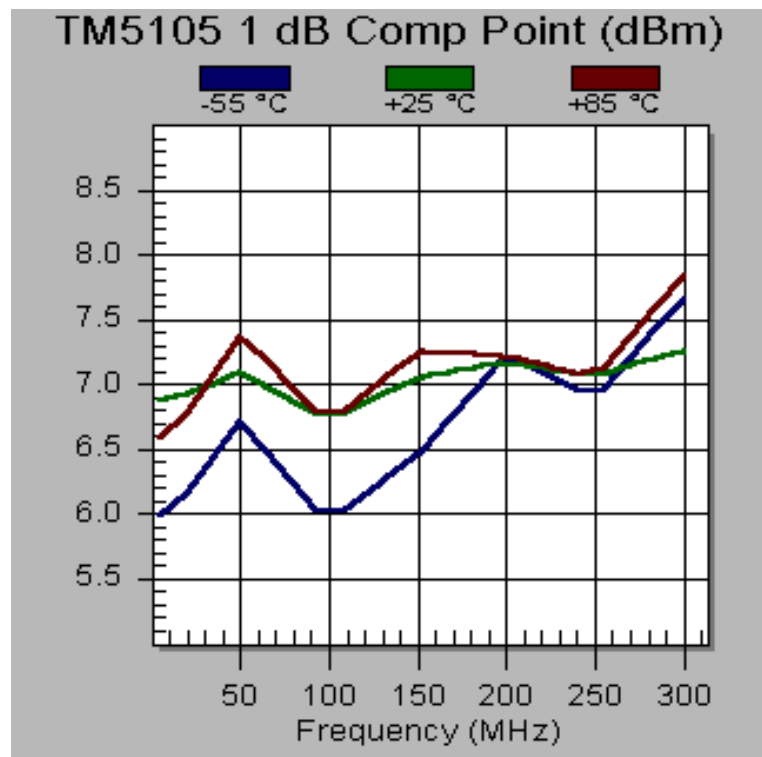
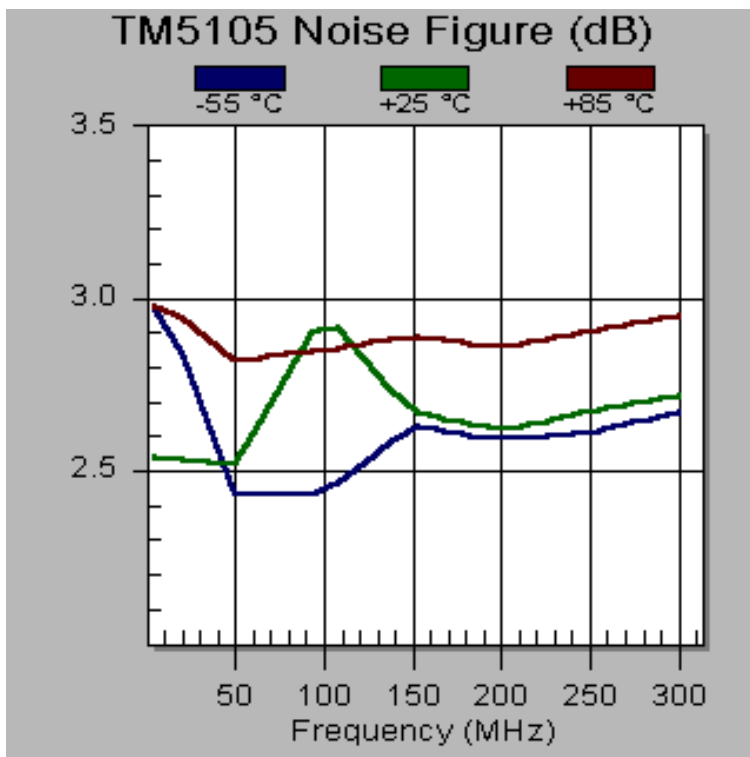


TM5105 Input VSWR



TM5105 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.190	-15.0	3.93	-165.0	0.1100	-165.0	0.210	-10.0
10	0.180	-9.0	4.02	-174.0	0.1200	-175.0	0.210	-6.0
50	0.170	-9.0	4.00	168.0	0.1200	168.0	0.200	-8.0
100	0.160	-13.0	3.99	155.0	0.1200	154.0	0.200	-14.0
150	0.160	-20.0	3.99	142.0	0.1200	141.0	0.210	-22.0
200	0.150	-31.0	4.00	128.0	0.1200	128.0	0.220	-34.0
250	0.140	-45.0	4.01	115.0	0.1200	115.0	0.220	-49.0
300	0.120	-66.0	4.03	101.0	0.1200	102.0	0.220	-68.0

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