



Amplifier Datasheet

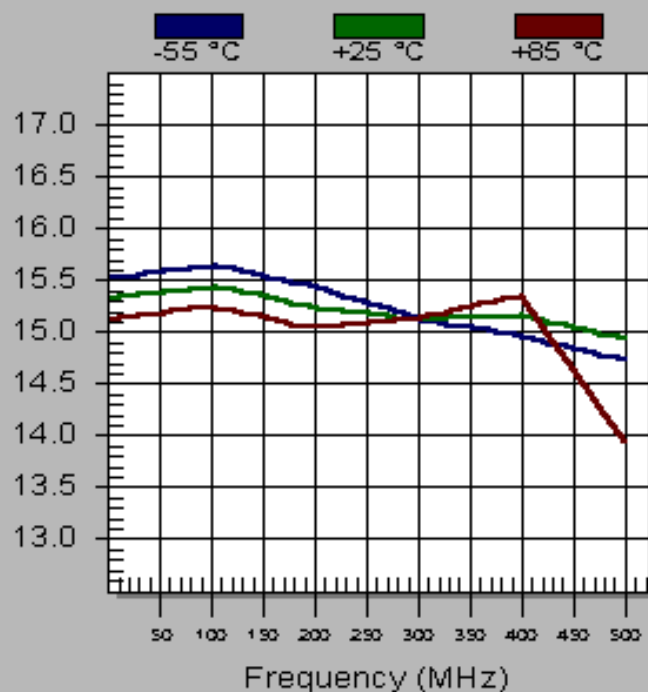
TM5519

Product Data Summary

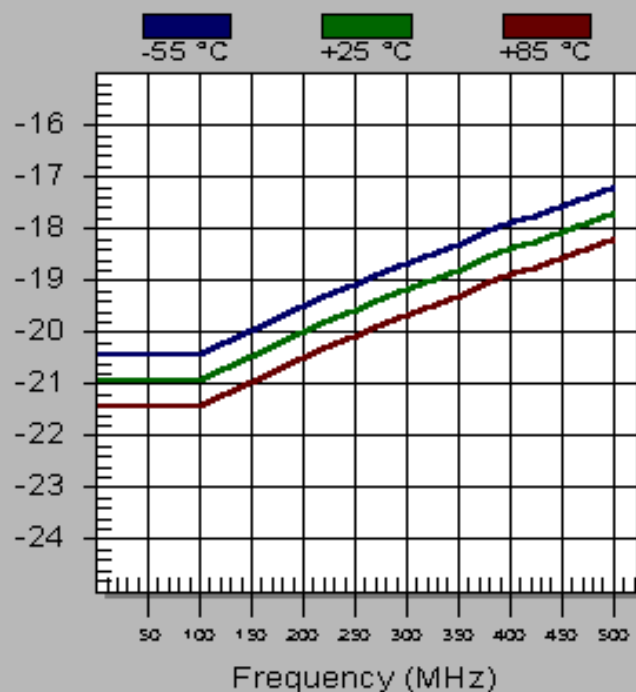
Parameter	Min/Max	Typical
Operating Frequency	5 - 500 MHz	
Noise Figure	3.0 dB	2.3 dB
Gain	14.0 dB	15.0 dB
Power Output (1 dB Compression)	+11.5 dBm	+14.5 dBm
2nd Order Intercept		+39.0 dBm
3rd Order Intercept		+29.0 dBm
Reverse Isolation	-17.0 dB	-18.0 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.2:1	1.9:1
DC Voltage		5.0 V
DC Current		30.0 mA

Typical Performance

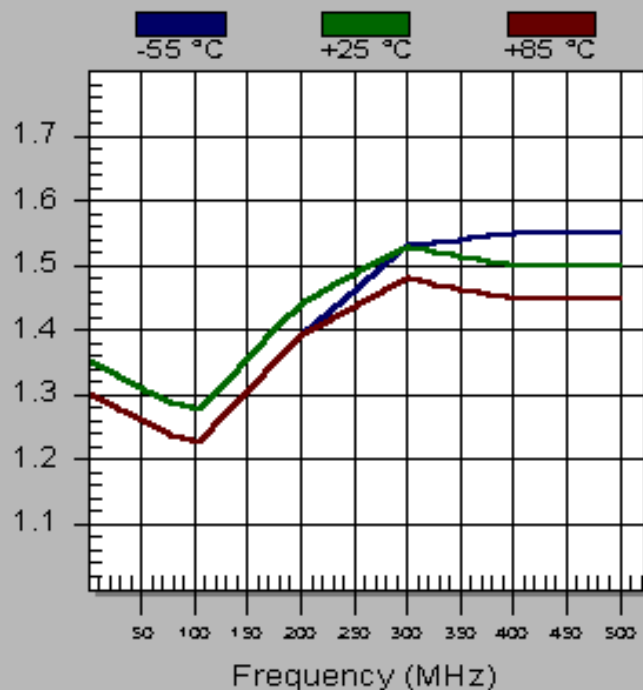
TM5519 Gain (dB)



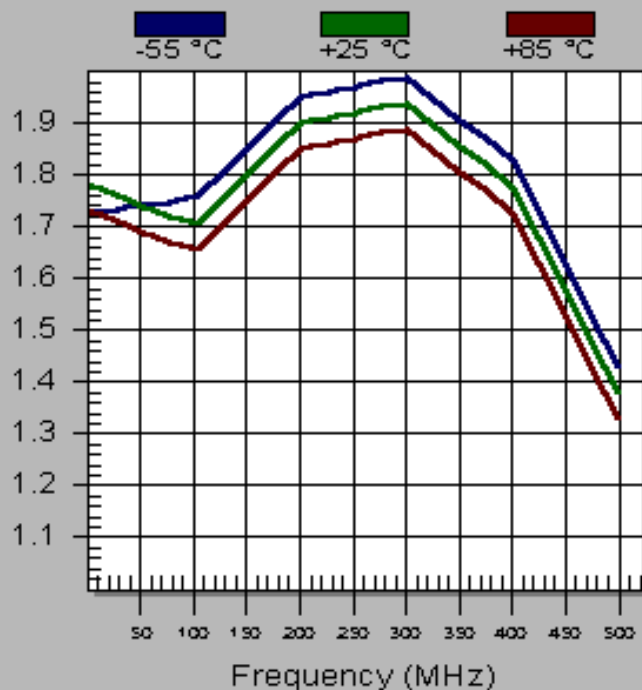
TM5519 Reverse Isolation (dB)

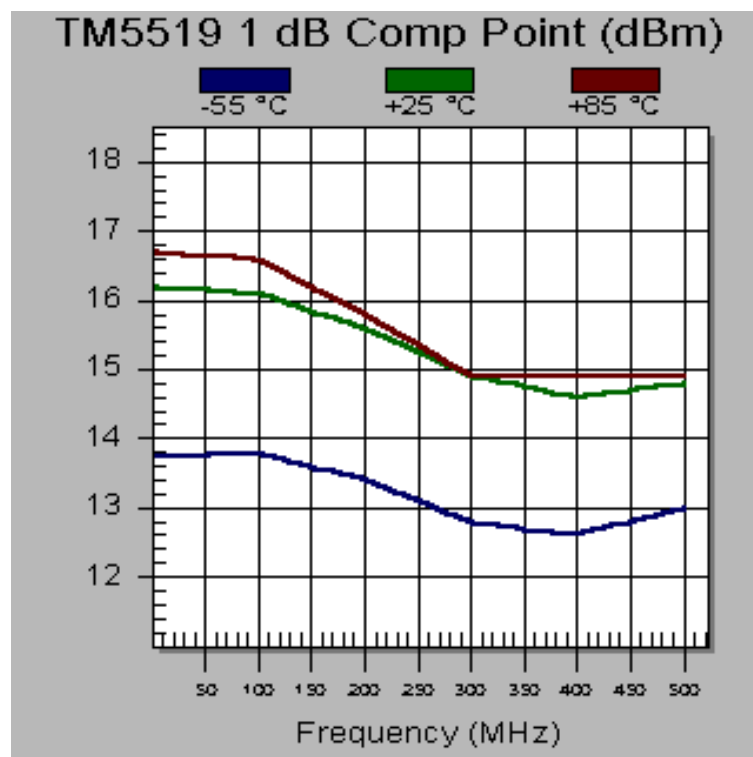
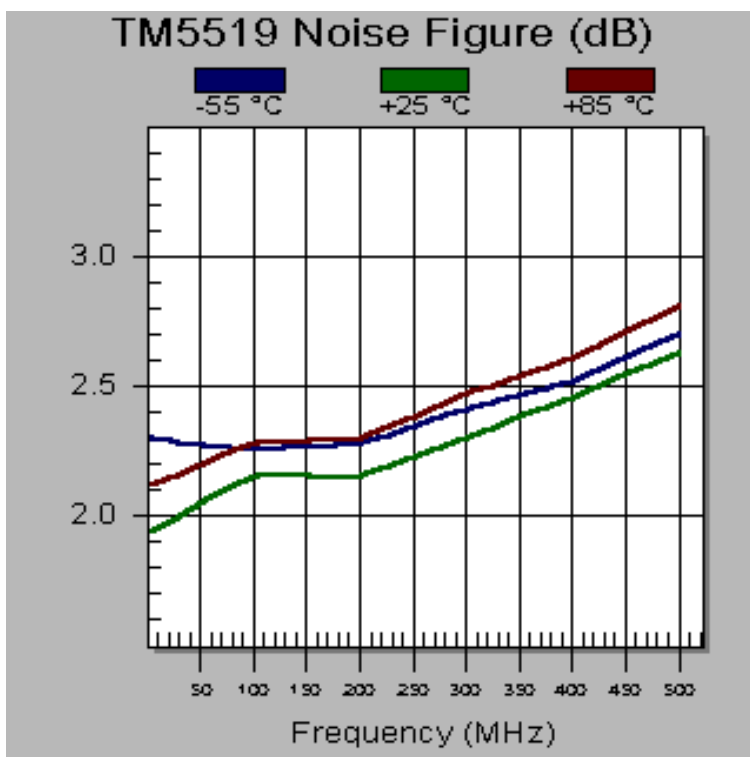


TM5519 Input VSWR



TM5519 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.150	-57.0	5.84	-165.0	0.0900	-165.0	0.280	-16.0
100	0.120	-105.0	5.92	150.0	0.0900	140.0	0.260	-53.0
200	0.180	-147.0	5.78	119.0	0.1000	105.0	0.310	-92.0
300	0.210	175.0	5.71	90.0	0.1100	76.0	0.320	-122.0
400	0.200	137.0	5.73	57.0	0.1200	49.0	0.280	-146.0
500	0.200	103.0	5.58	19.0	0.1300	24.0	0.160	-163.0

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Information in this document is subject to change without notice.