



Amplifier Datasheet

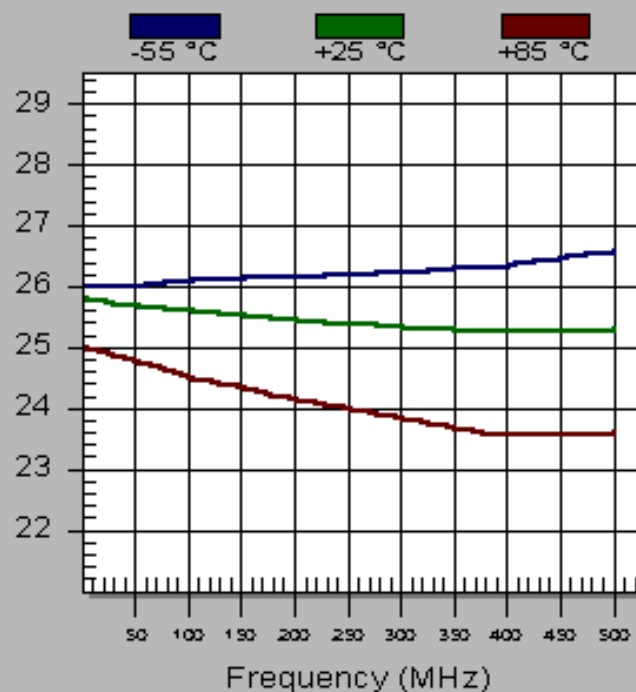
TM6523

Product Data Summary

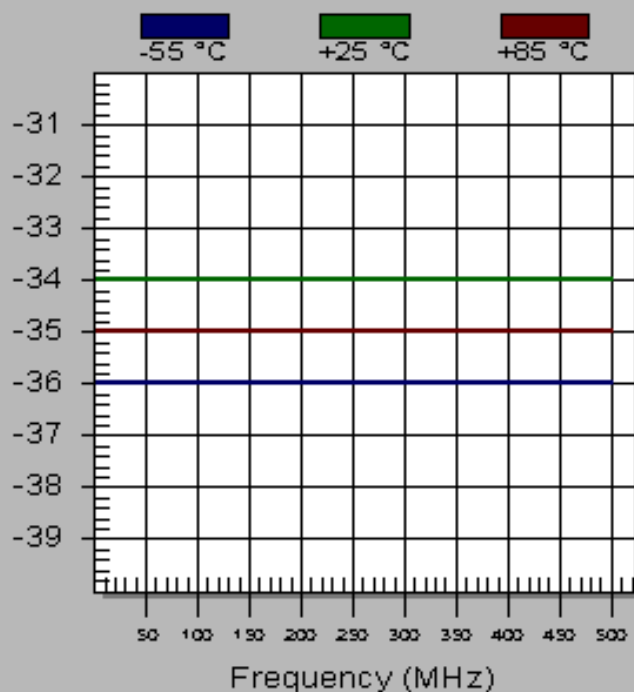
Parameter	Min/Max	Typical
Operating Frequency	5 - 500 MHz	
Noise Figure	7.0 dB	5.5 dB
Gain	23.0 dB	25.5 dB
Power Output (1 dB Compression)	+14.0 dBm	+16.0 dBm
2nd Order Intercept		+35.0 dBm
3rd Order Intercept		+26.0 dBm
Reverse Isolation	-32.0 dB	-33.0 dB
VSWR Input	2.0:1	1.3:1
VSWR Output	2.0:1	1.3:1
DC Voltage		15.0 V
DC Current		75.0 mA

Typical Performance

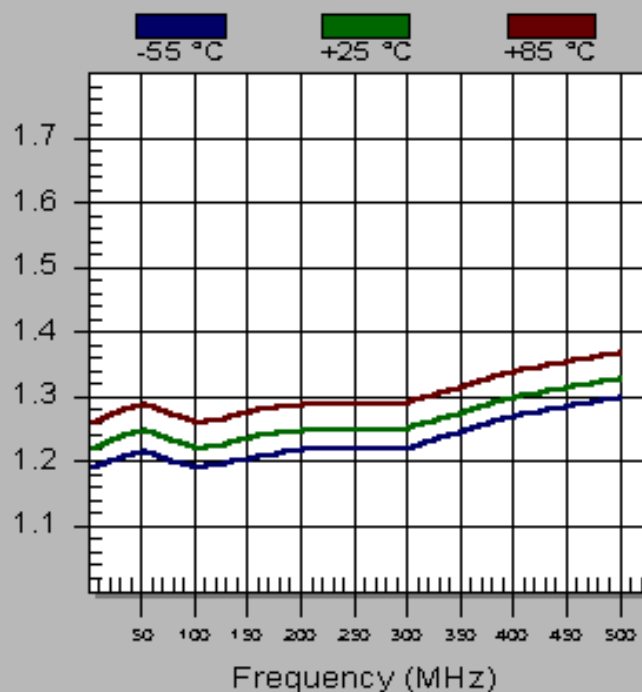
TM6523 Gain (dB)



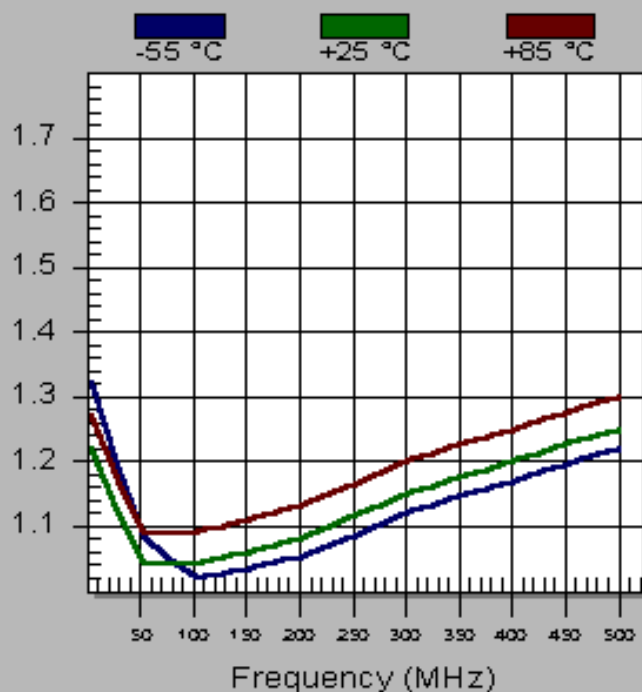
TM6523 Reverse Isolation (dB)

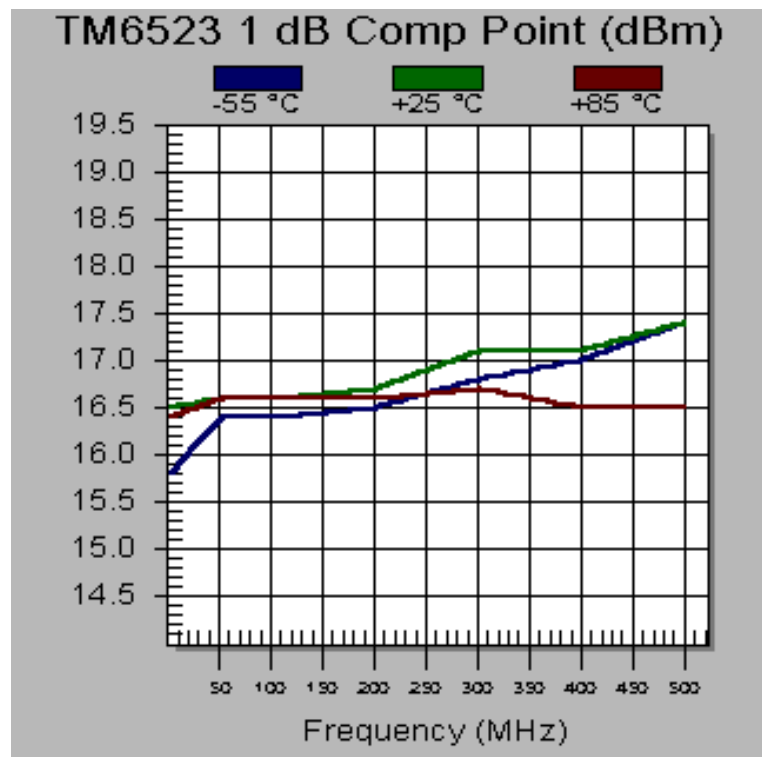
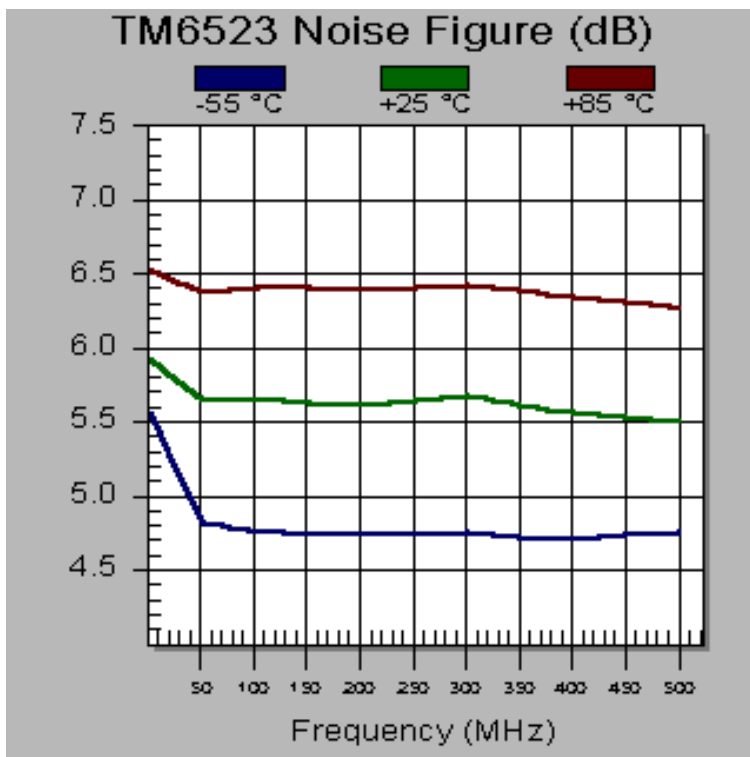


TM6523 Input VSWR



TM6523 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.100	14.0	19.48	9.0	0.0200	12.0	0.100	103.0
50	0.110	-1.0	19.27	-17.0	0.0200	0.0	0.020	66.0
100	0.100	-4.0	19.09	-35.0	0.0200	1.0	0.020	59.0
200	0.110	-2.0	18.74	-70.0	0.0200	5.0	0.040	64.0
300	0.110	-2.0	18.47	-104.0	0.0200	1.0	0.070	47.0
400	0.130	-6.0	18.31	-139.0	0.0200	0.0	0.090	22.0
500	0.140	-19.0	18.39	-173.0	0.0200	-2.0	0.110	-11.0

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