



Amplifier Datasheet

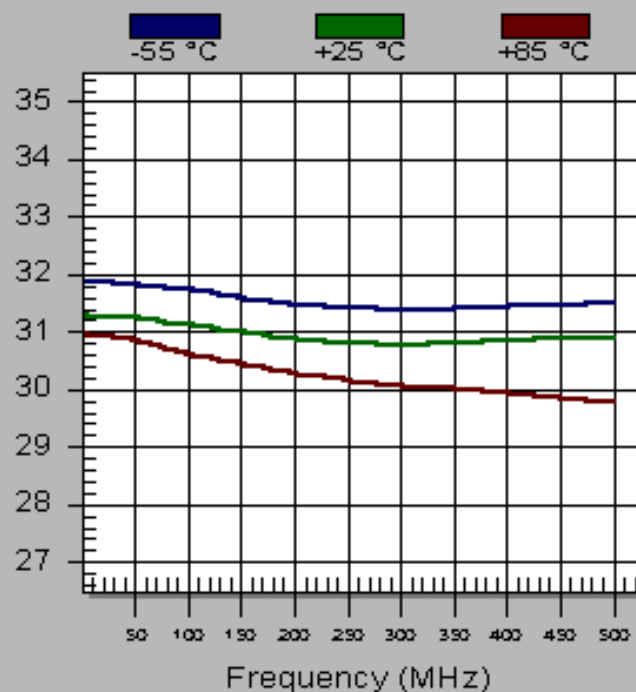
TM6524

Product Data Summary

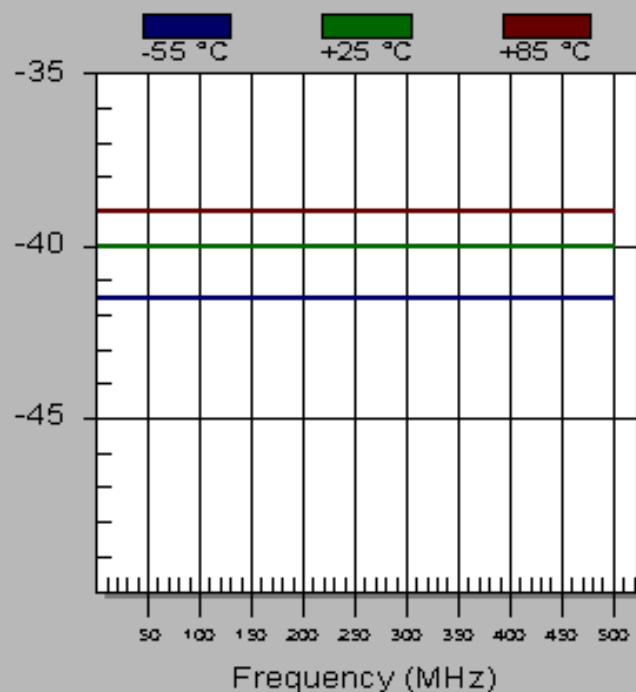
Parameter	Min/Max	Typical
Operating Frequency	5 - 500 MHz	
Noise Figure	4.0 dB	3.5 dB
Gain	29.0 dB	31.0 dB
Power Output (1 dB Compression)	+14.0 dBm	+15.0 dBm
2nd Order Intercept		+30.0 dBm
3rd Order Intercept		+25.0 dBm
Reverse Isolation	-35.0 dB	-36.0 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.8:1
DC Voltage		15.0 V
DC Current		70.0 mA

Typical Performance

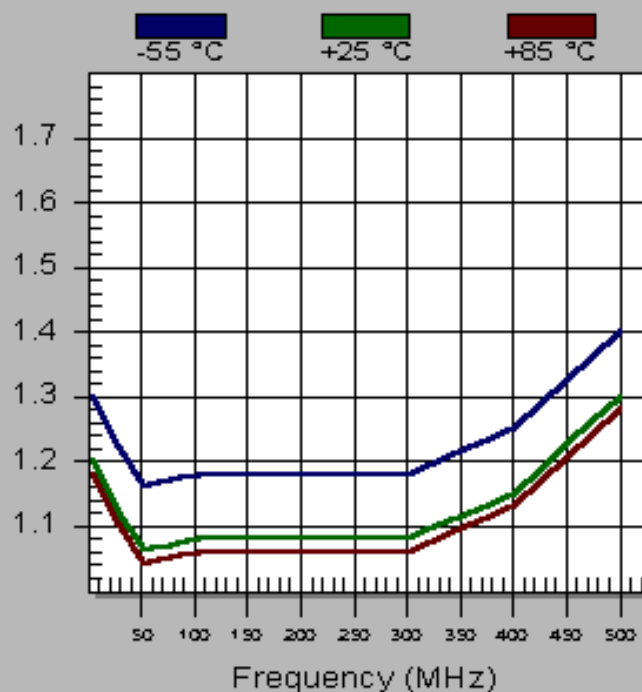
TM6524 Gain (dB)



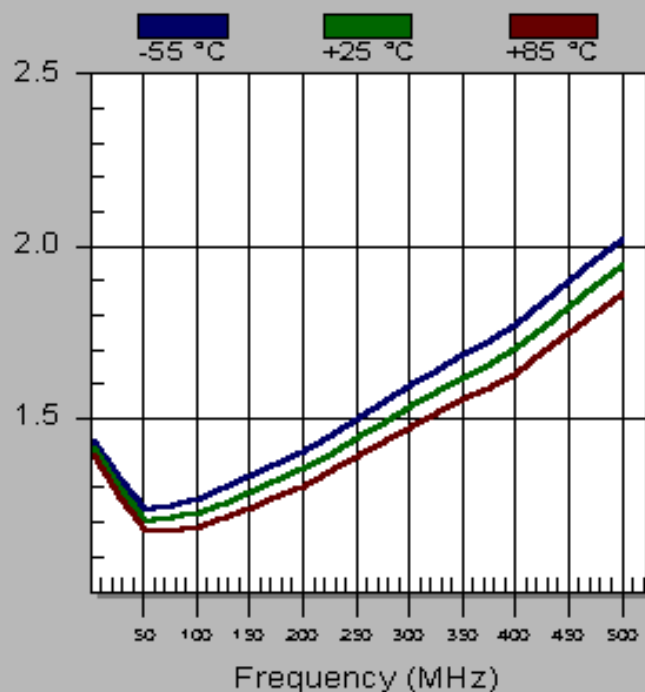
TM6524 Reverse Isolation (dB)

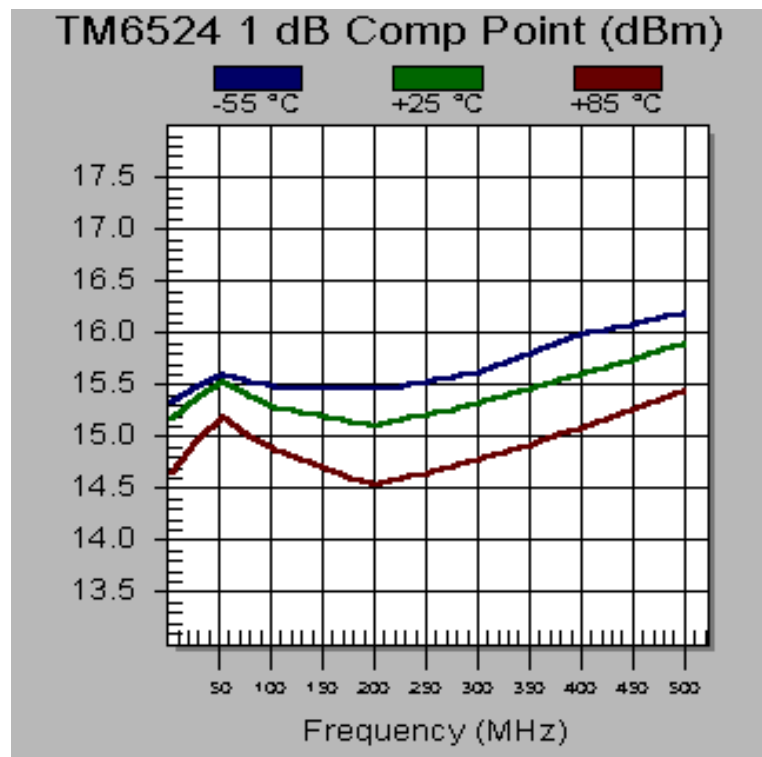
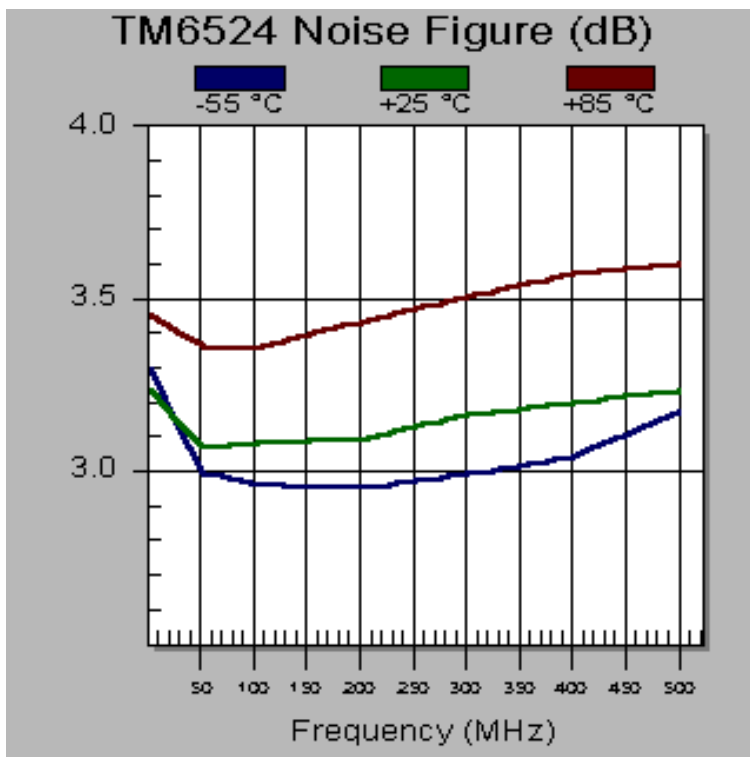


TM6524 Input VSWR



TM6524 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.090	140.0	36.70	11.0	0.0100	16.0	0.170	134.0
50	0.030	172.0	36.52	-17.0	0.0100	5.0	0.090	176.0
100	0.040	-180.0	36.06	-36.0	0.0100	5.0	0.100	180.0
200	0.040	163.0	34.99	-71.0	0.0100	2.0	0.150	166.0
300	0.040	125.0	34.61	-105.0	0.0100	-3.0	0.210	142.0
400	0.070	58.0	34.92	-141.0	0.0100	-6.0	0.260	111.0
500	0.130	8.0	35.06	-177.0	0.0100	-20.0	0.320	77.0

Amplifonix, Inc

2707 Black Lake Place
Philadelphia, PA 19154

Phone: (215) 464-4000

FAX: (215) 464-4001

E-mail: info@amplifonix.com

Scillasoft Consulting.

Copyright © 1997 Amplifonix, Inc. All rights reserved.

Information in this document is subject to change without notice.