



Amplifier Datasheet

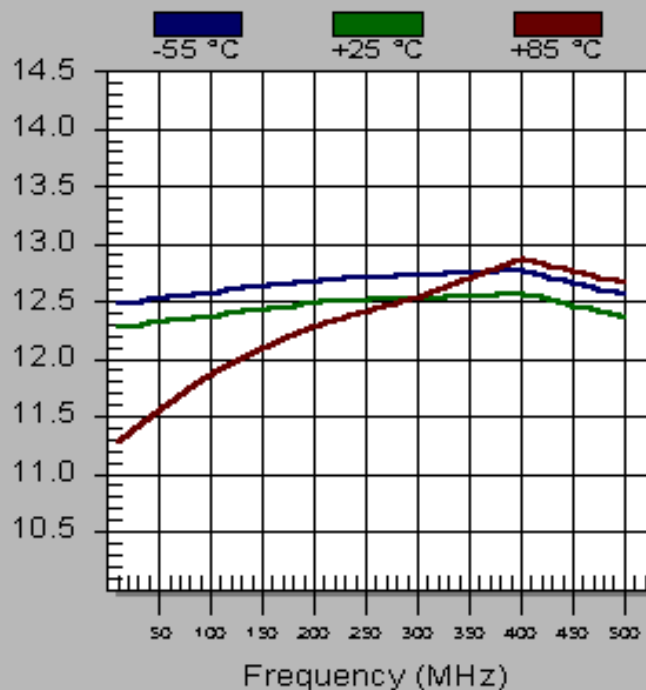
TM5544

Product Data Summary

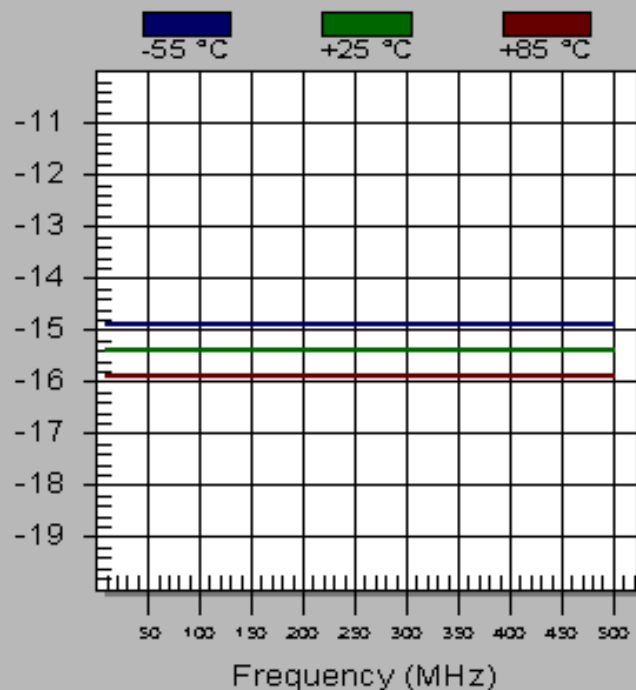
Parameter	Min/Max	Typical
Operating Frequency	10 - 500 MHz	
Noise Figure	3.5 dB	2.5 dB
Gain	11.0 dB	12.5 dB
Power Output (1 dB Compression)	+11.5 dBm	+14.5 dBm
2nd Order Intercept		+33.0 dBm
3rd Order Intercept		+27.0 dBm
Reverse Isolation	-14.5 dB	-15.5 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.5:1
DC Voltage		5.0 V
DC Current		35.0 mA

Typical Performance

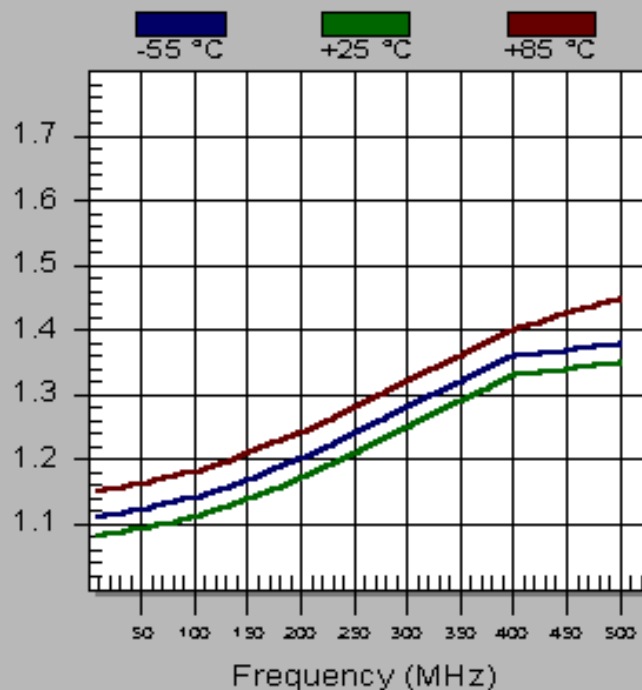
TM5544 Gain (dB)



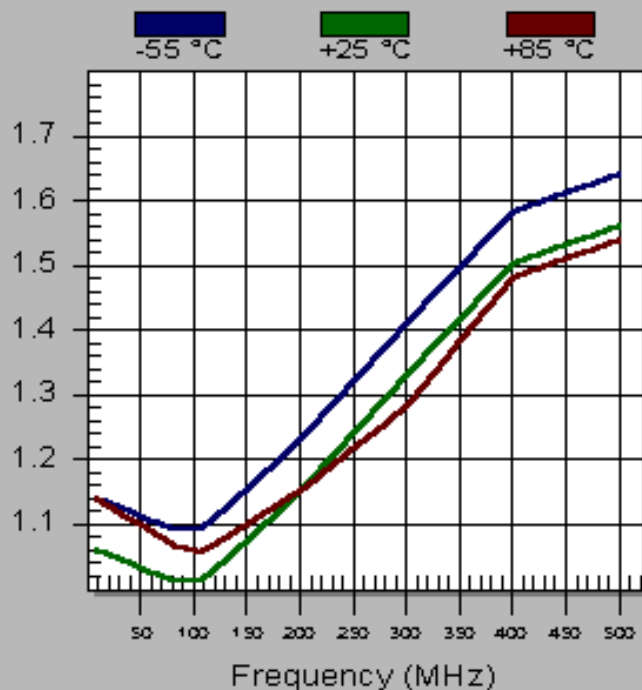
TM5544 Reverse Isolation (dB)

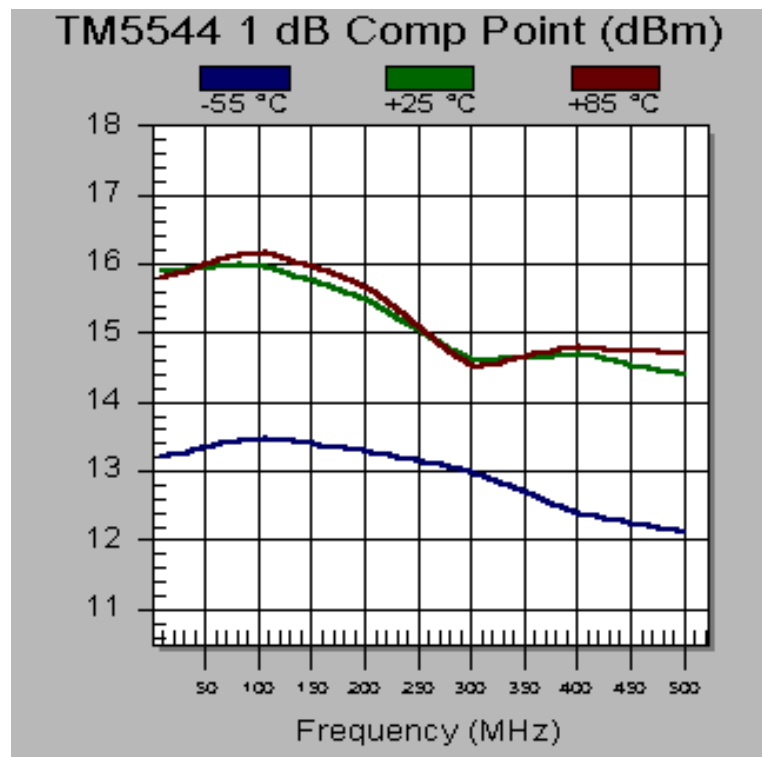
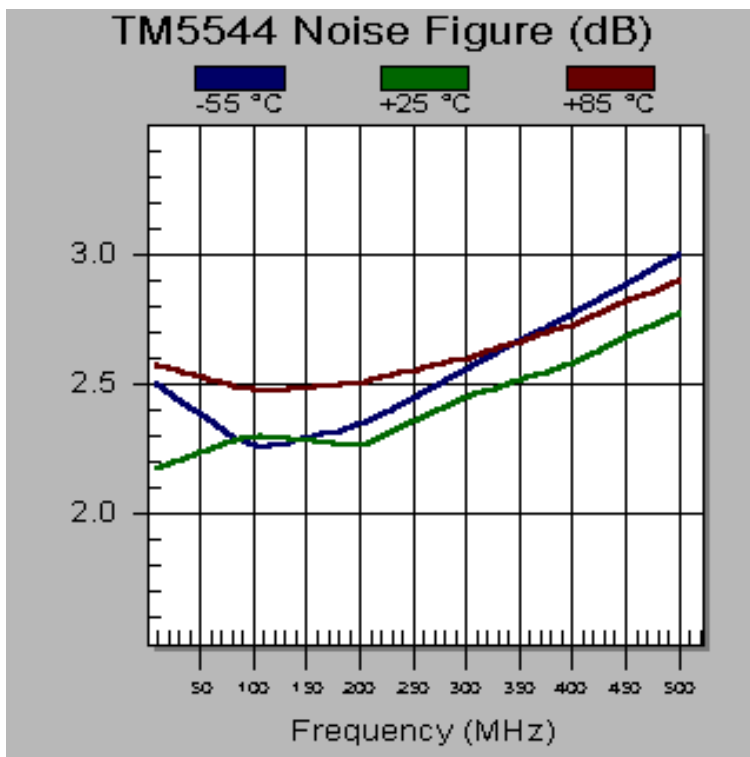


TM5544 Input VSWR



TM5544 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
10	0.040	-127.0	4.11	-172.0	0.1700	-171.0	0.030	-119.0
100	0.050	-167.0	4.16	159.0	0.1700	158.0	0.000	56.0
200	0.080	169.0	4.21	135.0	0.1700	135.0	0.070	-35.0
300	0.110	152.0	4.23	112.0	0.1700	113.0	0.140	-65.0
400	0.140	135.0	4.25	86.0	0.1700	92.0	0.200	-85.0
500	0.150	131.0	4.15	59.0	0.1700	69.0	0.220	-104.0

Amplifonix, Inc
 2707 Black Lake Place
 Philadelphia, PA 19154

Phone: (215) 464-4000
 FAX: (215) 464-4001
 E-mail: info@amplifonix.com

Information in this document is subject to change without notice.