



Amplifier Datasheet

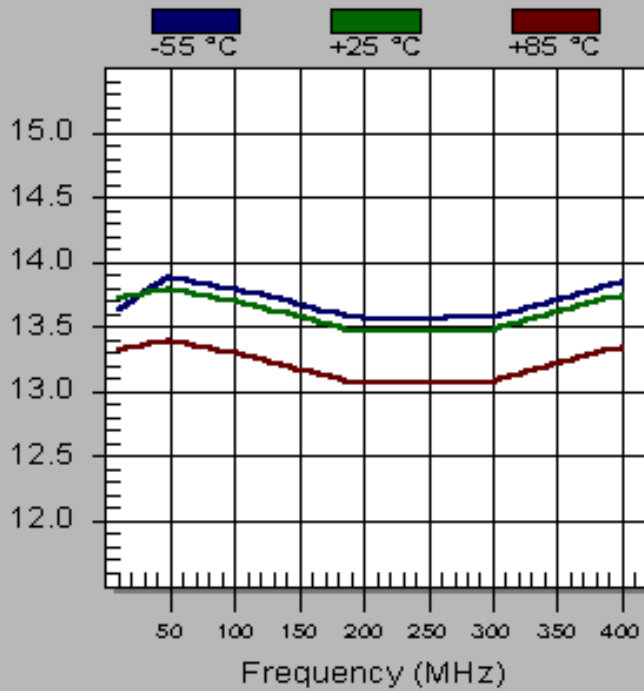
TM6443

Product Data Summary

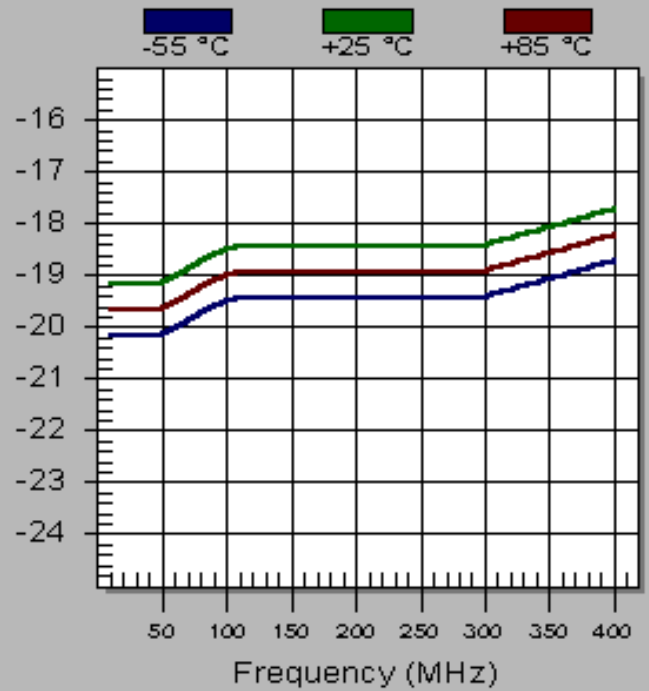
Parameter	Min/Max	Typical
Operating Frequency	10 - 400 MHz	
Noise Figure	5.0 dB	3.5 dB
Gain	12.0 dB	13.2 dB
Power Output (1 dB Compression)	+5.0 dBm	+6.5 dBm
2nd Order Intercept		+27.0 dBm
3rd Order Intercept		+19.0 dBm
Reverse Isolation	-15.0 dB	-17.0 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.8:1
DC Voltage		5.0 V
DC Current		10.0 mA

Typical Performance

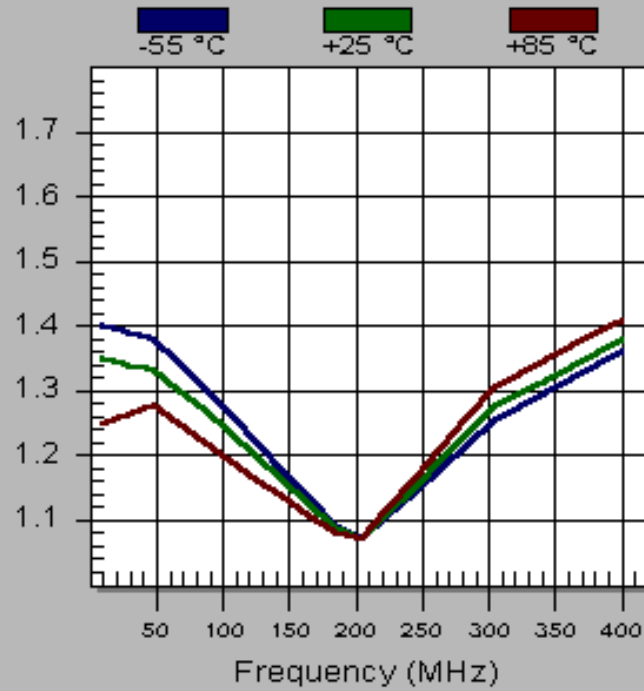
TM6443 Gain (dB)



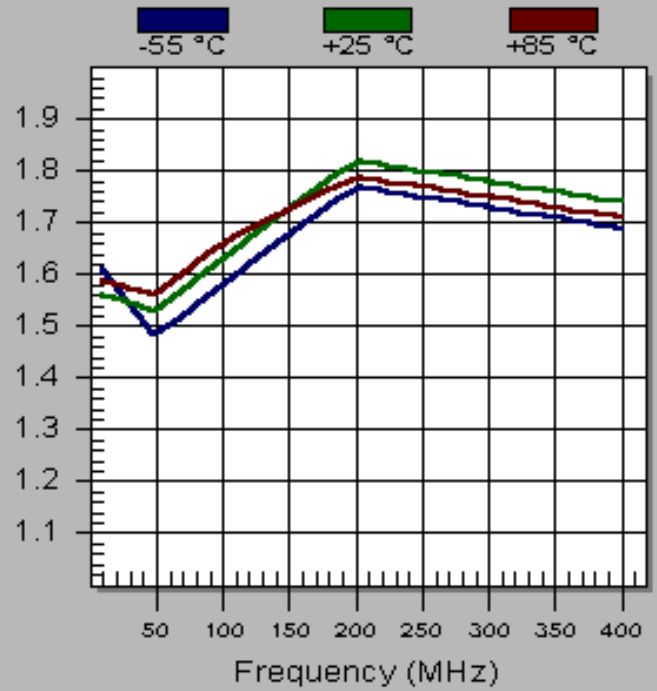
TM6443 Reverse Isolation (dB)

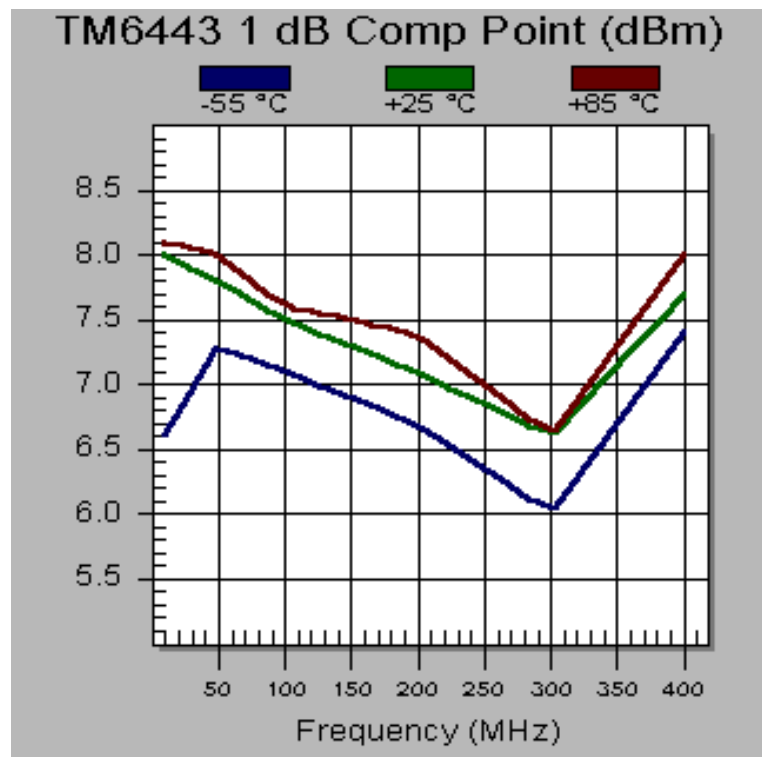
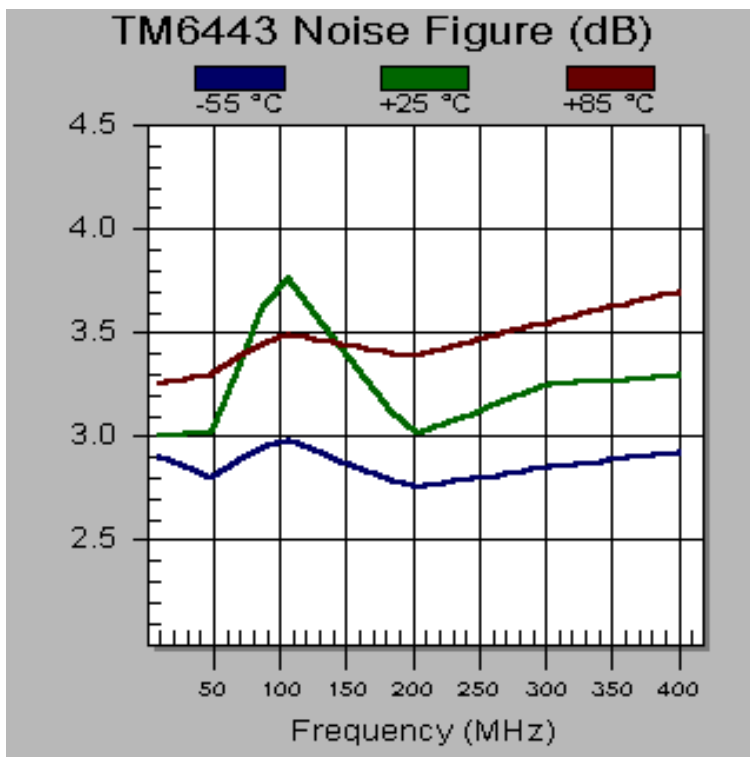


TM6443 Input VSWR



TM6443 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
10	0.150	-158.0	4.86	-179.0	0.1100	3.0	0.220	172.0
50	0.140	169.0	4.89	161.0	0.1100	-9.0	0.210	-175.0
100	0.110	154.0	4.84	141.0	0.1200	-19.0	0.240	-169.0
200	0.030	-177.0	4.71	100.0	0.1200	-39.0	0.290	-176.0
300	0.120	-137.0	4.72	58.0	0.1200	-61.0	0.280	154.0
400	0.160	157.0	4.87	6.0	0.1300	-97.0	0.270	54.0

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Information in this document is subject to change without notice.