



Amplifier Datasheet

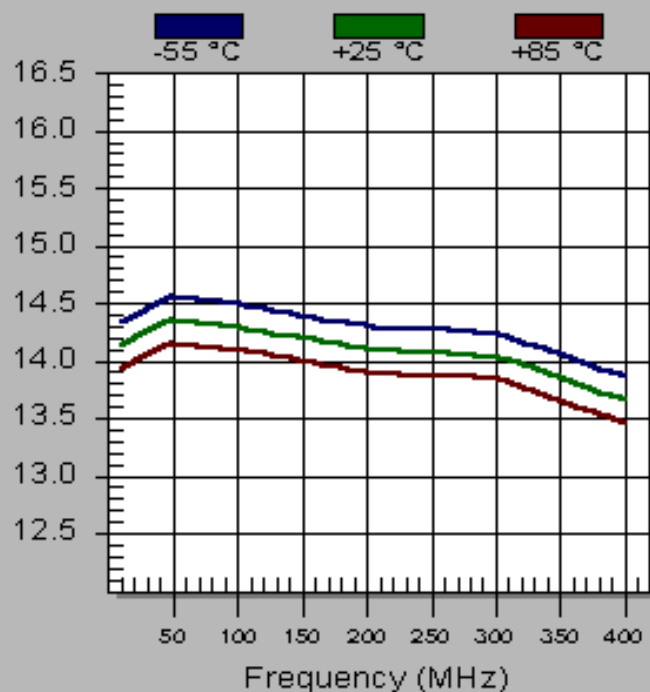
TM6442

Product Data Summary

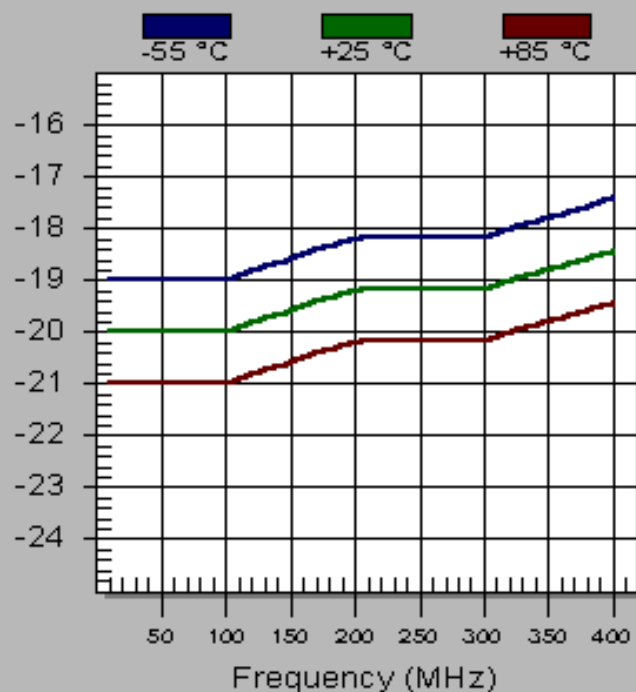
Parameter	Min/Max	Typical
Operating Frequency	20 - 400 MHz	
Noise Figure	6.0 dB	4.5 dB
Gain	12.5 dB	14.0 dB
Power Output (1 dB Compression)	+19.0 dBm	+22.0 dBm
2nd Order Intercept		+51.0 dBm
3rd Order Intercept		+37.0 dBm
Reverse Isolation	-17.0 dB	-19.0 dB
VSWR Input	2.0:1	1.1:1
VSWR Output	2.0:1	1.3:1
DC Voltage		15.0 V
DC Current		62.0 mA

Typical Performance

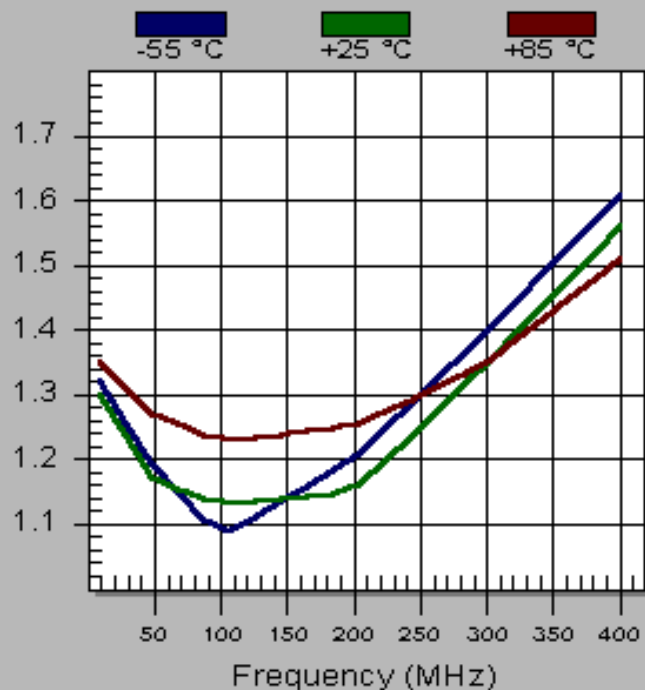
TM6442 Gain (dB)



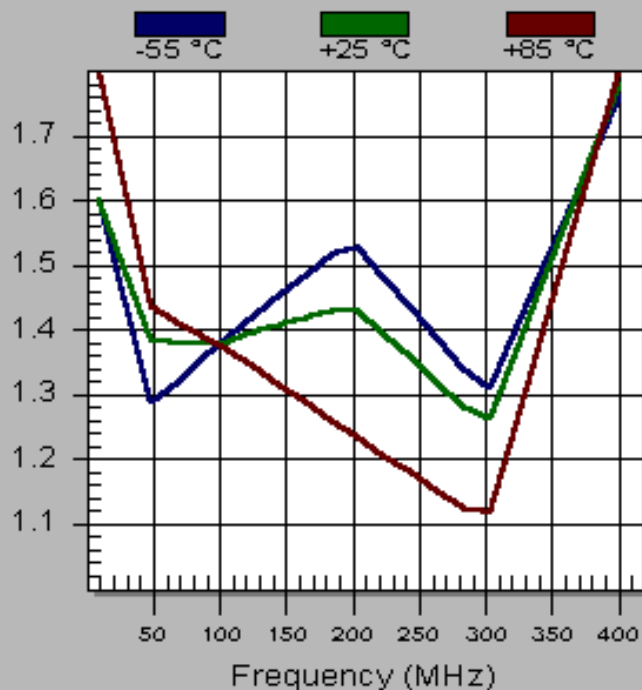
TM6442 Reverse Isolation (dB)

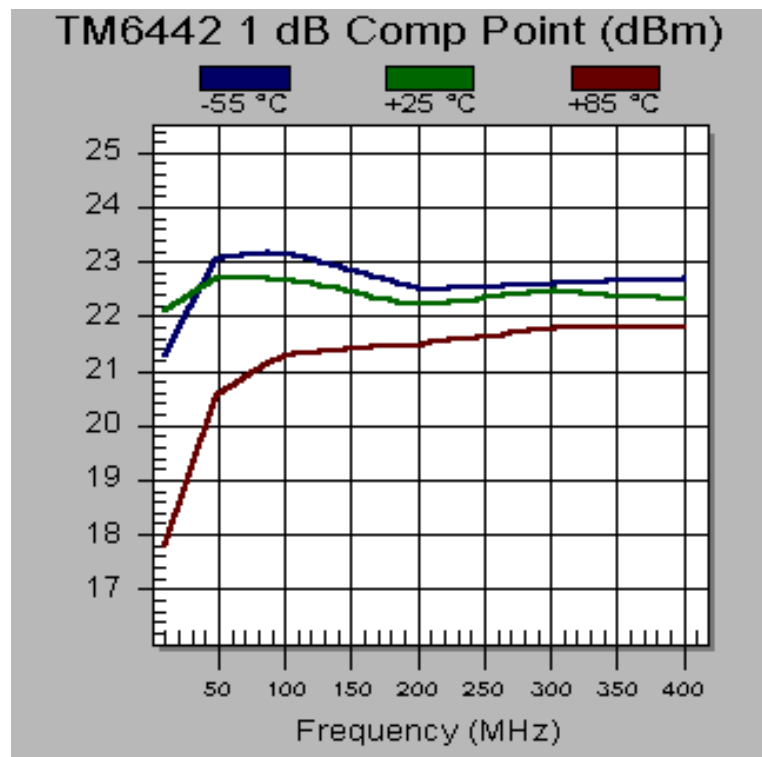
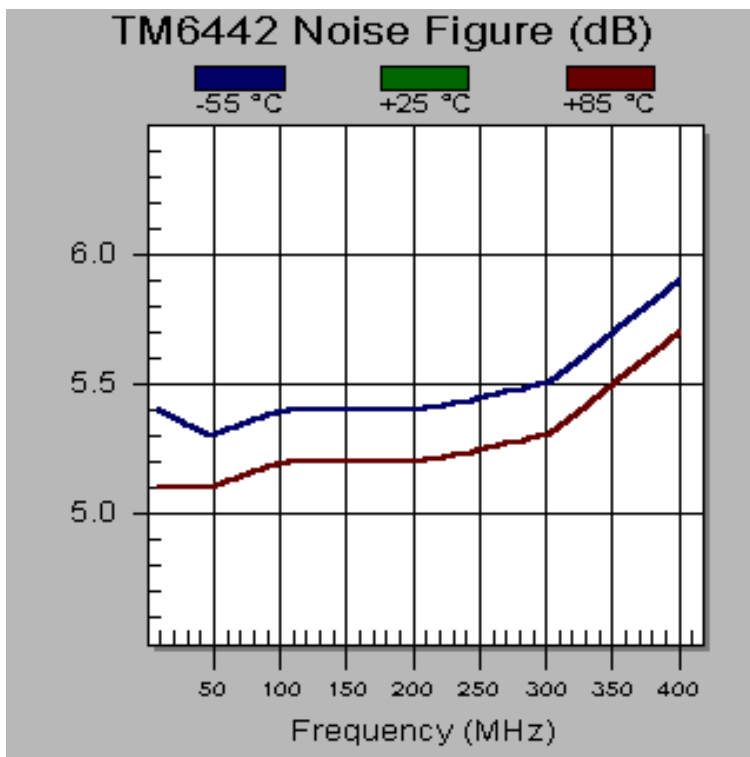


TM6442 Input VSWR



TM6442 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
10	0.130	-116.0	5.09	-173.0	0.1000	10.0	0.230	153.0
50	0.080	-168.0	5.23	161.0	0.1000	-6.0	0.160	177.0
100	0.060	-170.0	5.19	138.0	0.1000	-18.0	0.160	-171.0
200	0.070	-123.0	5.07	93.0	0.1100	-39.0	0.180	-169.0
300	0.150	-195.0	5.04	45.0	0.1100	-66.0	0.110	159.0
400	0.220	97.0	4.82	-16.0	0.1200	-108.0	0.280	-14.0

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Information in this document is subject to change without notice.