



Amplifier Datasheet

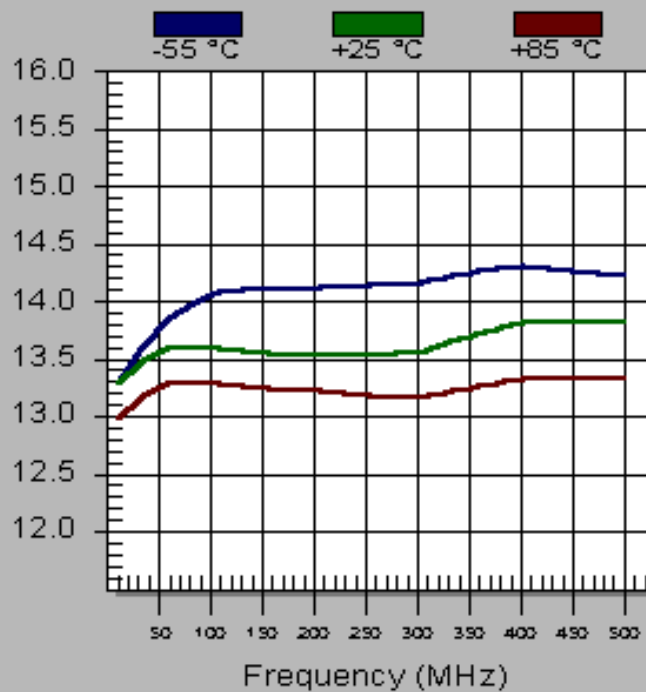
TM6440

Product Data Summary

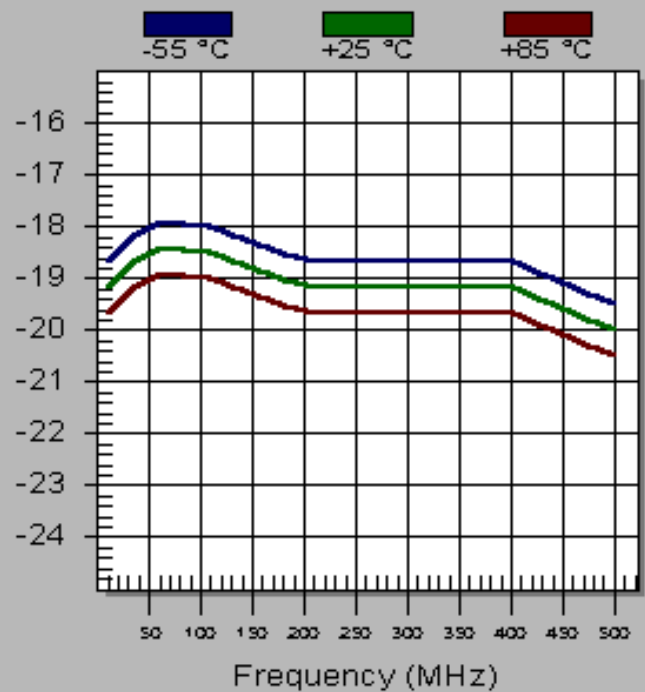
Parameter	Min/Max	Typical
Operating Frequency	10 - 400 MHz	
Noise Figure	5.0 dB	3.6 dB
Gain	12.0 dB	13.0 dB
Power Output (1 dB Compression)	+7.5 dBm	+9.0 dBm
2nd Order Intercept		+33.0 dBm
3rd Order Intercept		+23.0 dBm
Reverse Isolation	-17.5 dB	-18.5 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.8:1
DC Voltage		15.0 V
DC Current		15.0 mA

Typical Performance

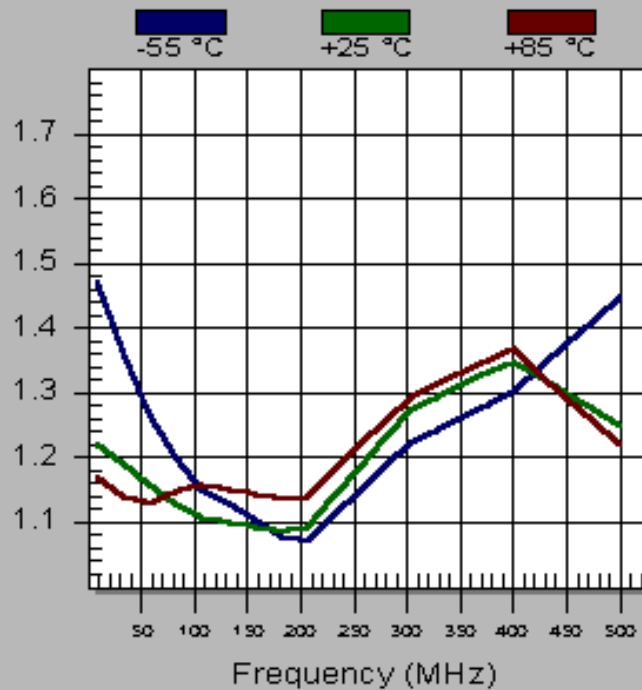
TM6440 Gain (dB)



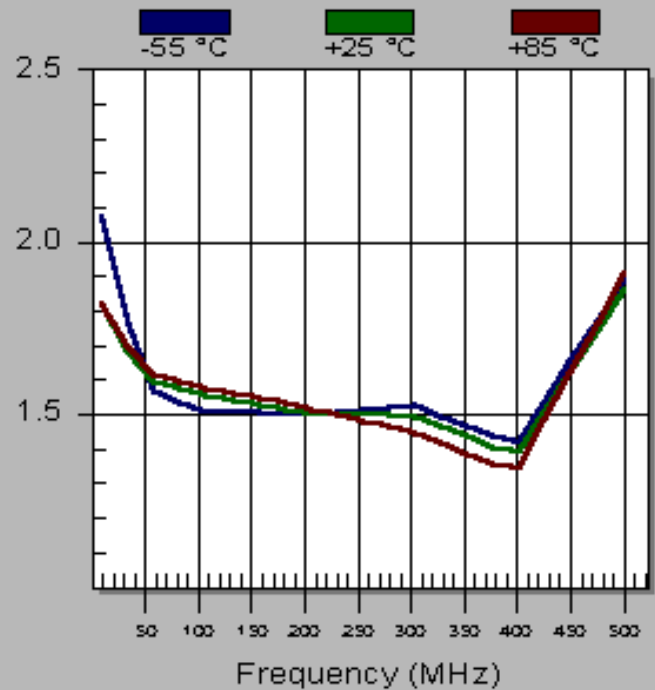
TM6440 Reverse Isolation (dB)



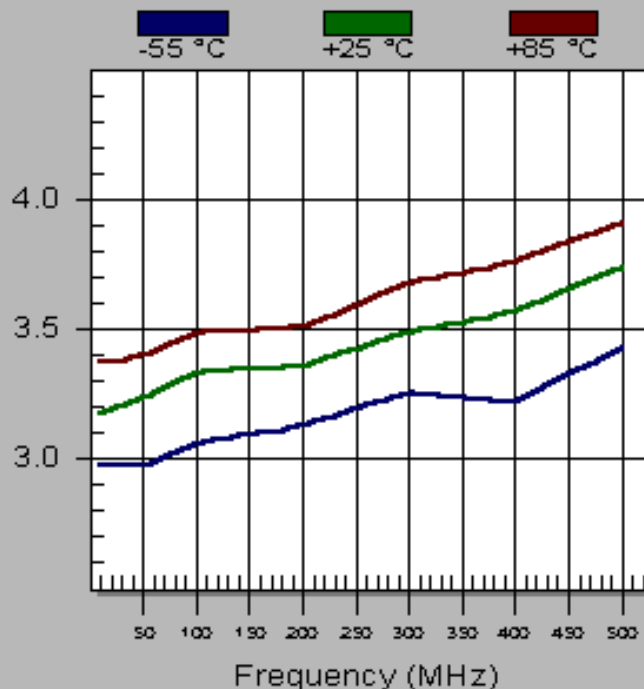
TM6440 Input VSWR



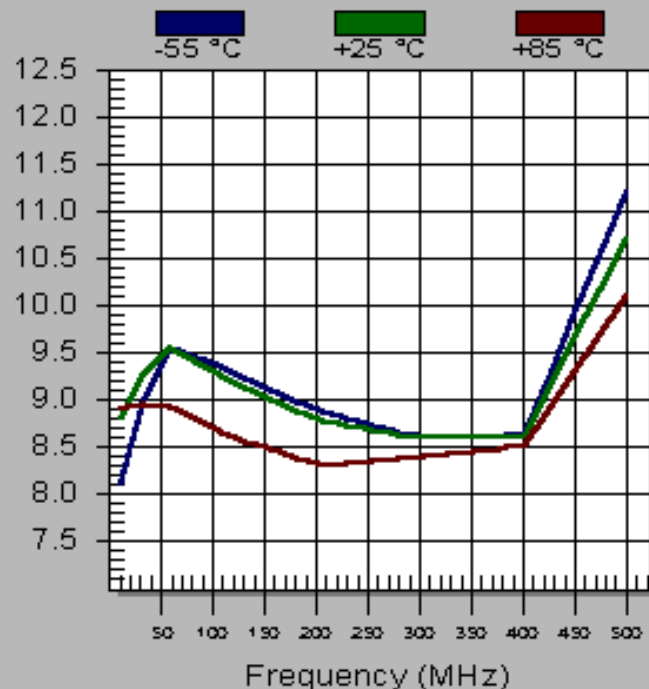
TM6440 Output VSWR



TM6440 Noise Figure (dB)



TM6440 1 dB Comp Point (dBm)



Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
10	0.100	-125.0	4.62	-175.0	0.1100	7.0	0.290	165.0
50	0.080	172.0	4.78	165.0	0.1200	-8.0	0.230	176.0
100	0.050	136.0	4.78	147.0	0.1200	-20.0	0.220	179.0
200	0.040	-4.0	4.74	112.0	0.1100	-42.0	0.200	-168.0
300	0.120	-76.0	4.76	76.0	0.1100	-66.0	0.200	-154.0
400	0.150	-130.0	4.91	36.0	0.1100	-93.0	0.160	-135.0
500	0.110	95.0	4.91	-17.0	0.1000	-131.0	0.300	-82.0

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