



Amplifier Datasheet

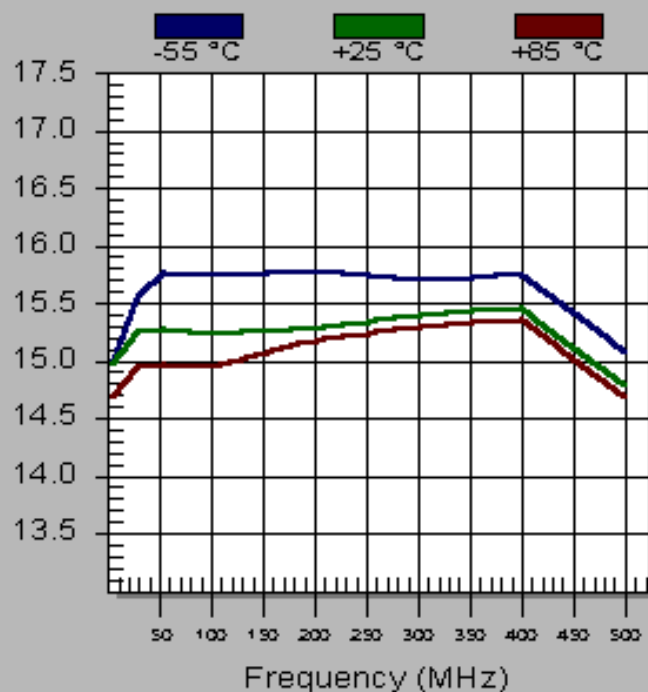
TM5110

Product Data Summary

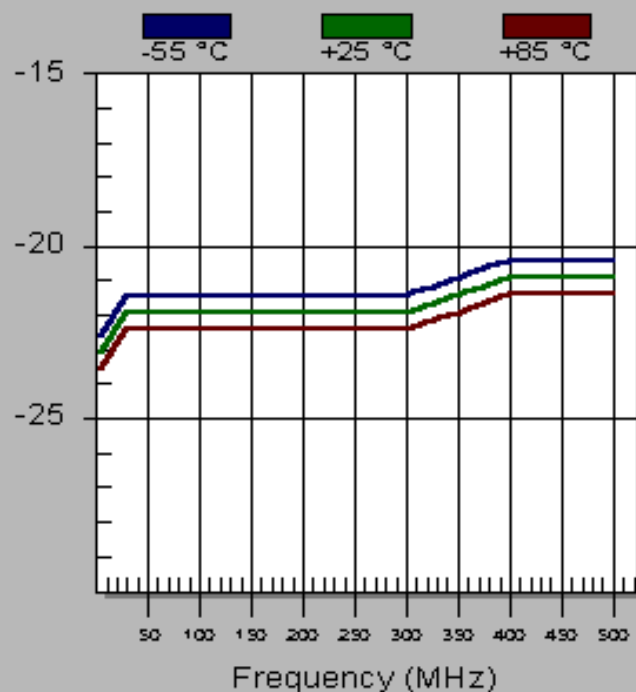
Parameter	Min/Max	Typical
Operating Frequency	10 - 500 MHz	
Noise Figure	3.0 dB	2.5 dB
Gain	14.0 dB	15.0 dB
Power Output (1 dB Compression)	+9.0 dBm	+10.5 dBm
2nd Order Intercept		+33.0 dBm
3rd Order Intercept		+25.0 dBm
Reverse Isolation	-20.0 dB	-21.0 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.5:1
DC Voltage		15.0 V
DC Current		25.0 mA

Typical Performance

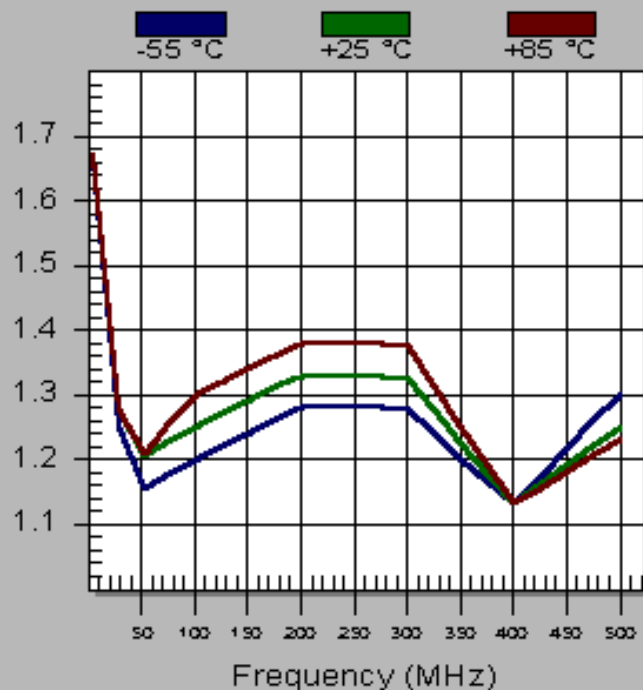
TM5110 Gain (dB)



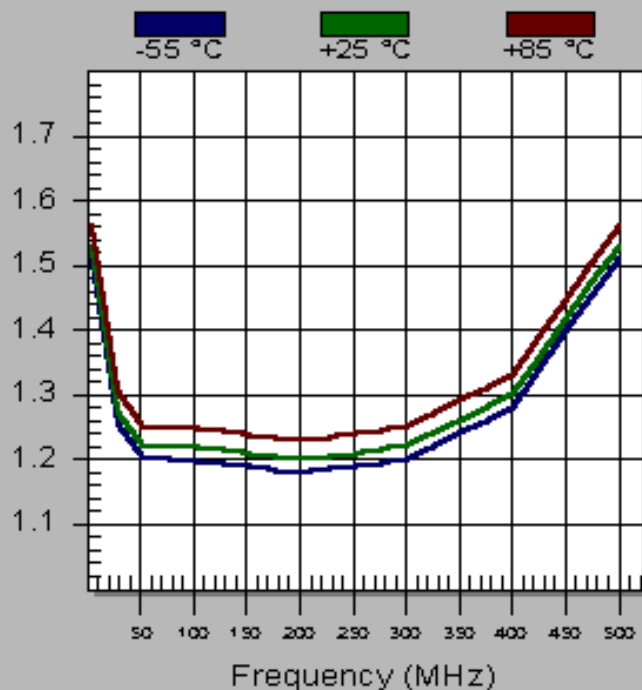
TM5110 Reverse Isolation (dB)

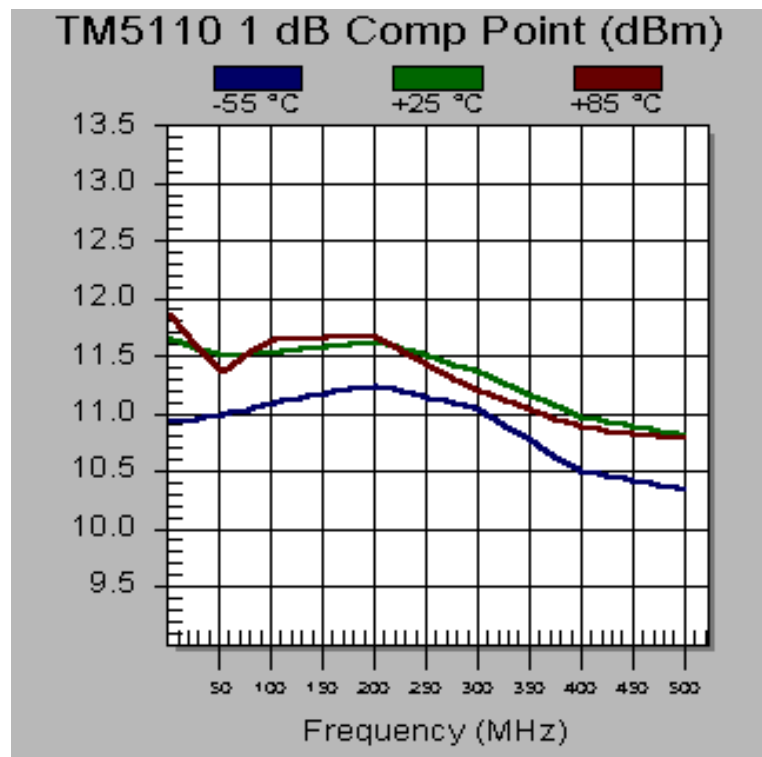
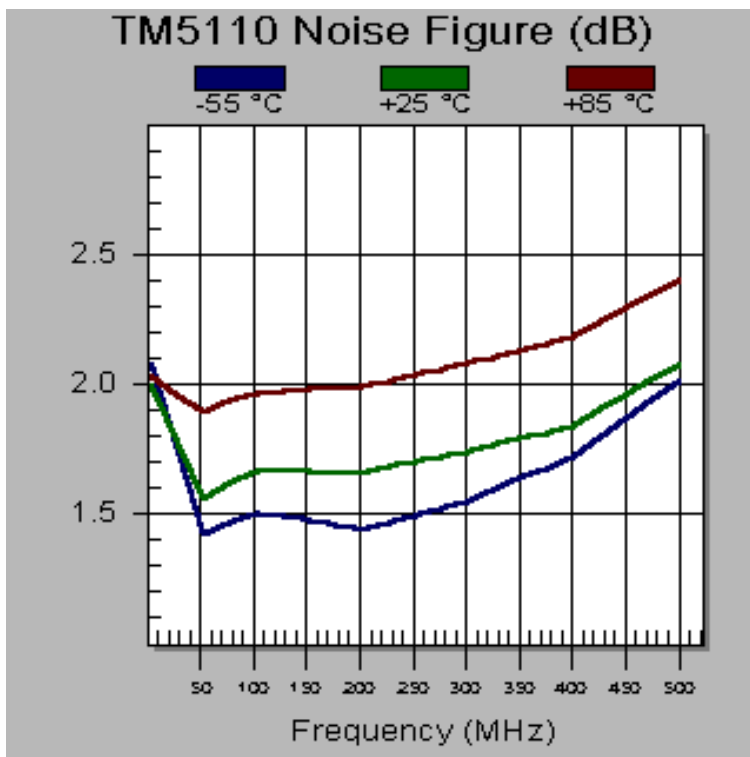


TM5110 Input VSWR



TM5110 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.250	-51.0	5.61	-161.0	0.0700	-164.0	0.210	-44.0
10	0.150	-47.0	5.79	-173.0	0.0800	-175.0	0.140	-36.0
50	0.090	-26.0	5.80	163.0	0.0800	160.0	0.100	-17.0
100	0.110	-33.0	5.78	144.0	0.0800	140.0	0.100	-19.0
200	0.140	-62.0	5.81	106.0	0.0800	99.0	0.090	-35.0
300	0.140	-97.0	5.89	66.0	0.0800	62.0	0.100	-71.0
400	0.060	-125.0	5.93	22.0	0.0900	25.0	0.130	-130.0
500	0.110	-11.0	5.48	-27.0	0.0900	-13.0	0.210	168.0

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