



Amplifier Datasheet

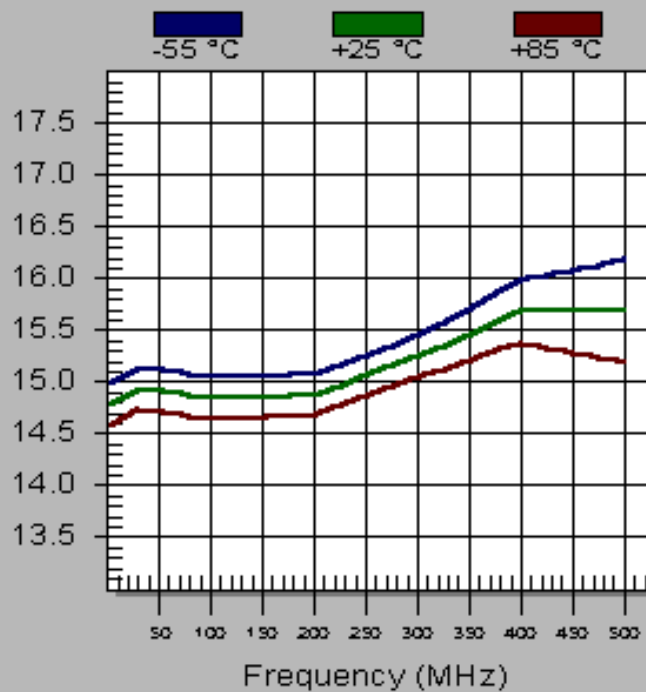
TM5126

Product Data Summary

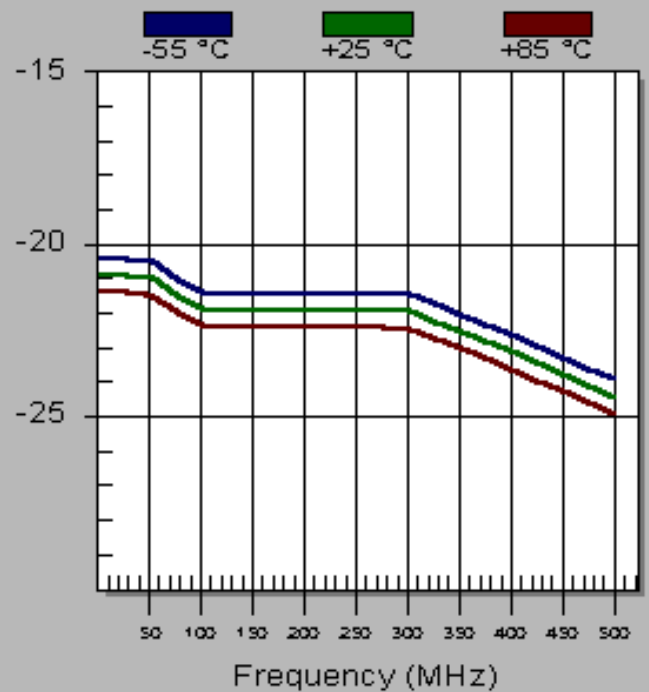
Parameter	Min/Max	Typical
Operating Frequency	5 - 500 MHz	
Noise Figure	3.5 dB	3.0 dB
Gain	14.0 dB	15.0 dB
Power Output (1 dB Compression)	+16.0 dBm	+17.0 dBm
2nd Order Intercept		+42.0 dBm
3rd Order Intercept		+32.0 dBm
Reverse Isolation	-20.0 dB	-21.0 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.8:1
DC Voltage		15.0 V
DC Current		50.0 mA

Typical Performance

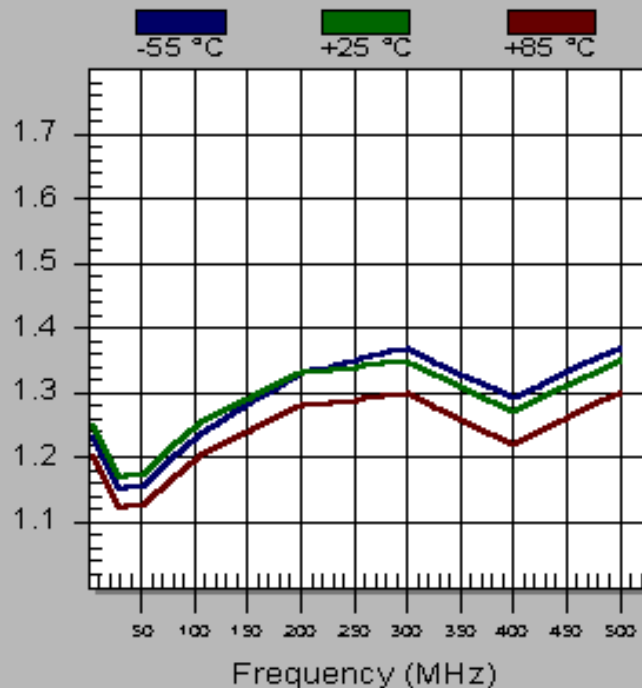
TM5126 Gain (dB)



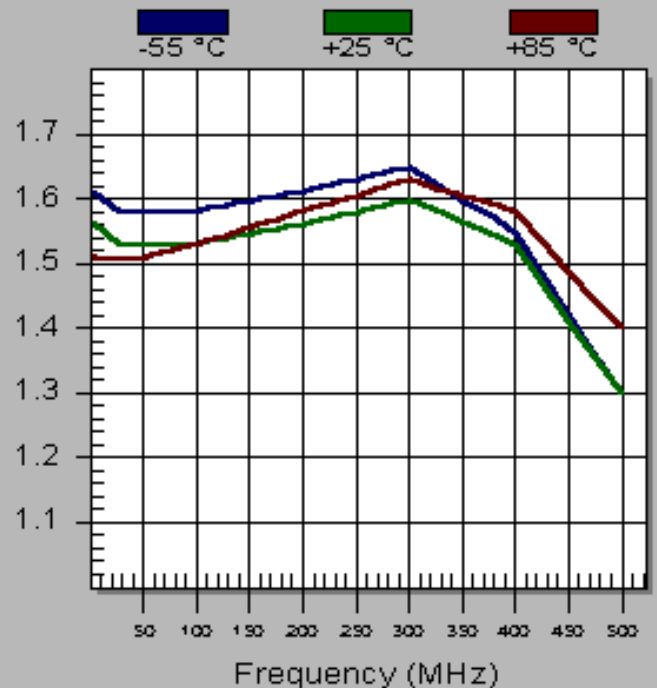
TM5126 Reverse Isolation (dB)

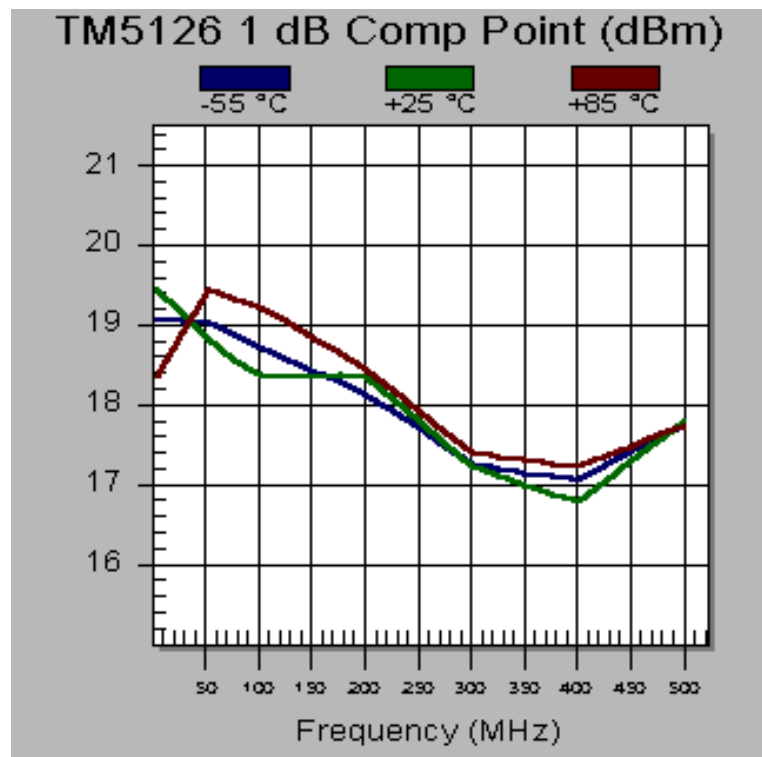
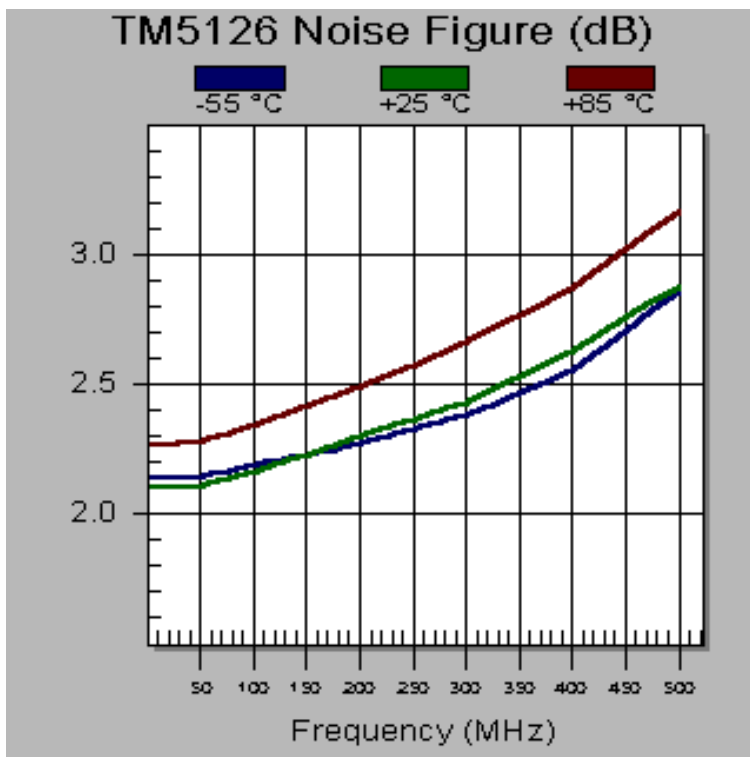


TM5126 Input VSWR



TM5126 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.110	-46.0	5.48	-166.0	0.0900	-165.0	0.220	-9.0
10	0.080	-38.0	5.58	-175.0	0.0900	-175.0	0.210	-9.0
50	0.080	-60.0	5.57	164.0	0.0900	163.0	0.210	-25.0
100	0.110	-93.0	5.53	146.0	0.0800	144.0	0.210	-48.0
200	0.140	-145.0	5.54	112.0	0.0800	109.0	0.220	-87.0
300	0.150	169.0	5.78	76.0	0.0800	73.0	0.230	-121.0
400	0.120	111.0	6.08	35.0	0.0700	35.0	0.210	-150.0
500	0.150	45.0	6.08	-16.0	0.0600	-3.0	0.130	-172.0

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