

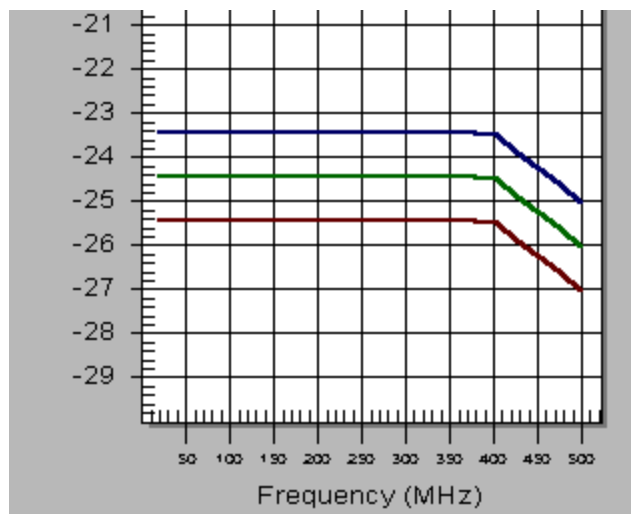
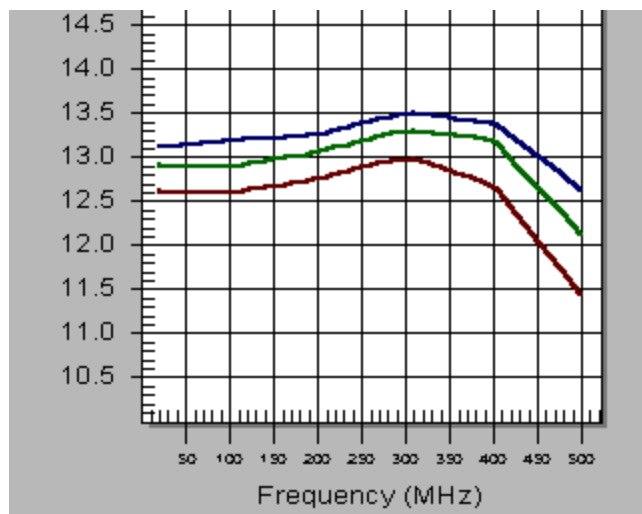


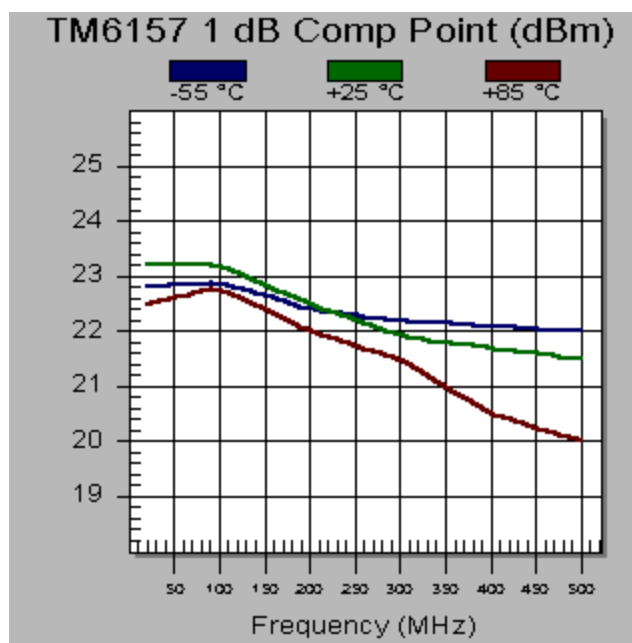
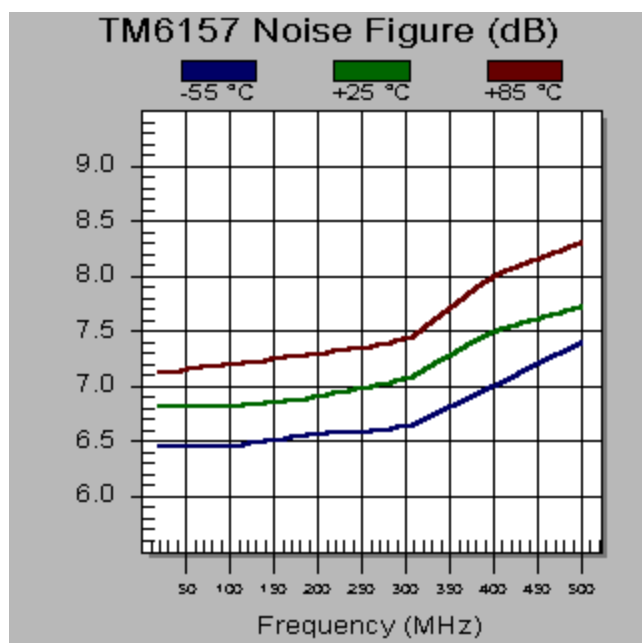
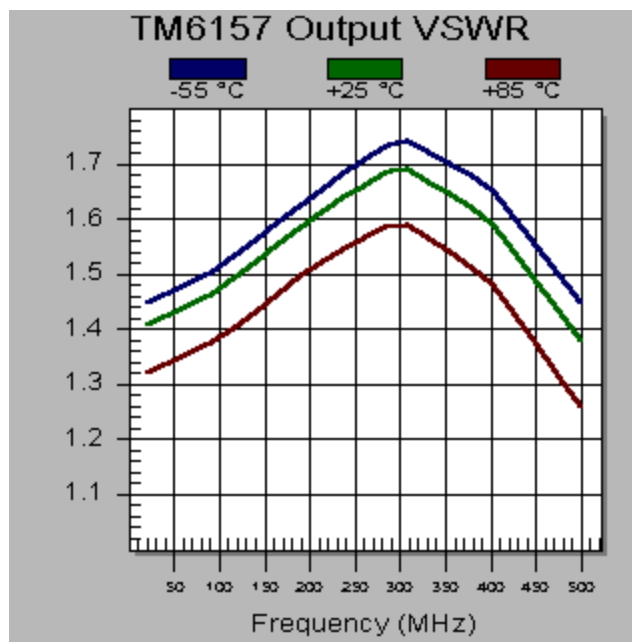
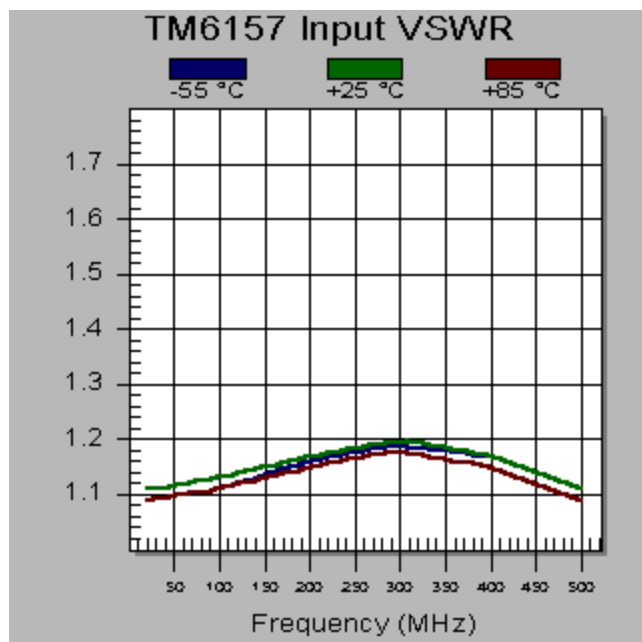
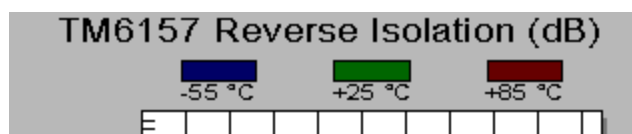
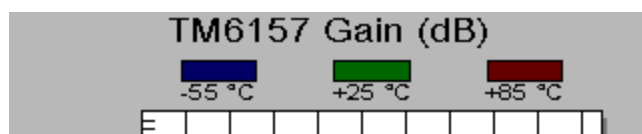
TM6157

Product Data Summary

Parameter	Min/Max	Typical
Operating Frequency	20 - 500 MHz	
Noise Figure	8.5 dB	7.5 dB
Gain	10.5 dB	13.0 dB
Power Output (1 dB Compression)	+20.0 dBm	+22.0 dBm
2nd Order Intercept		+45.0 dBm
3rd Order Intercept		+33.0 dBm
Reverse Isolation	-22.5 dB	-23.5 dB
VSWR Input	2.0:1	1.2:1
VSWR Output	2.0:1	1.8:1
DC Voltage		15.0 V
DC Current		75.0 mA

Typical Performance





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
20	0.050	-156.0	4.42	-180.0	0.0600	-179.0	0.170	-11.0
100	0.060	-157.0	4.41	152.0	0.0600	150.0	0.190	-39.0
200	0.080	-158.0	4.50	122.0	0.0600	122.0	0.230	-78.0
300	0.090	-175.0	4.63	89.0	0.0600	91.0	0.260	-117.0
400	0.080	158.0	4.57	51.0	0.0600	68.0	0.230	-164.0
500	0.050	101.0	4.04	10.0	0.0500	42.0	0.160	107.0

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