



Amplifier Datasheet

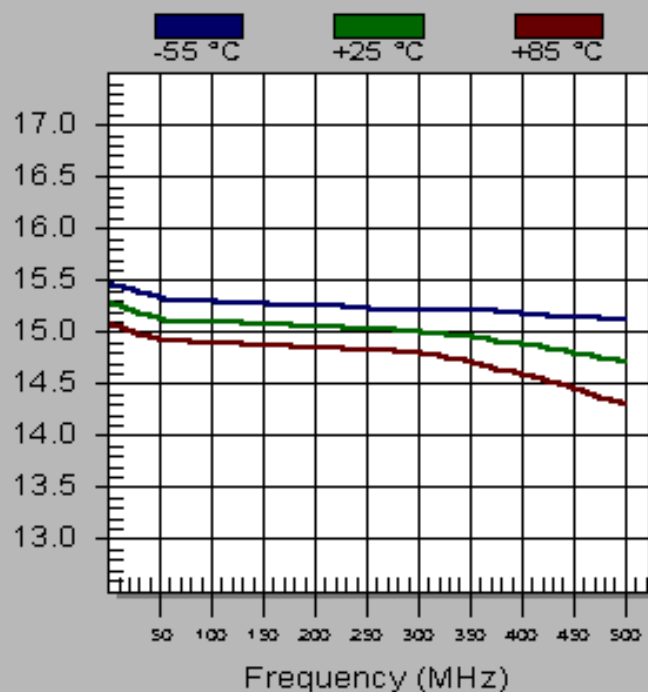
TM6505

Product Data Summary

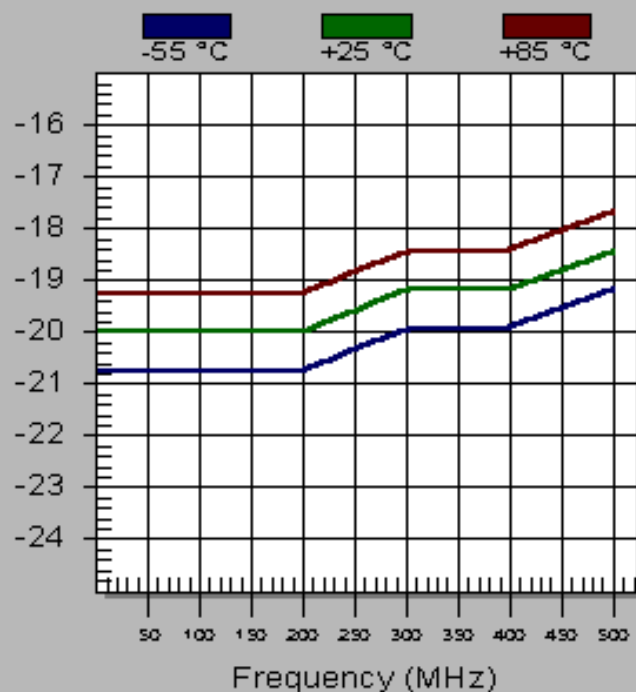
Parameter	Min/Max	Typical
Operating Frequency	5 - 500 MHz	
Noise Figure	5.0 dB	4.0 dB
Gain	14.0 dB	15.0 dB
Power Output (1 dB Compression)	+8.5 dBm	+10.0 dBm
2nd Order Intercept		+33.0 dBm
3rd Order Intercept		+23.0 dBm
Reverse Isolation	-16.0 dB	-18.0 dB
VSWR Input	2.0:1	1.3:1
VSWR Output	2.0:1	1.8:1
DC Voltage		15.0 V
DC Current		24.0 mA

Typical Performance

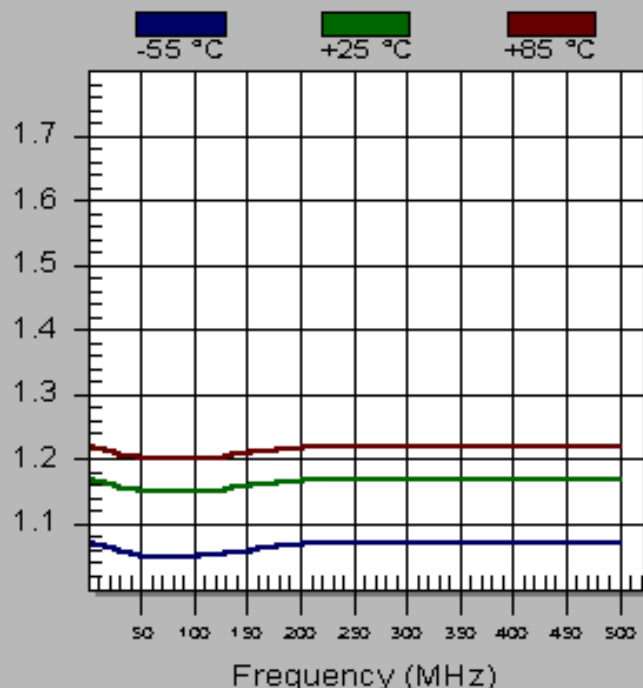
TM6505 Gain (dB)



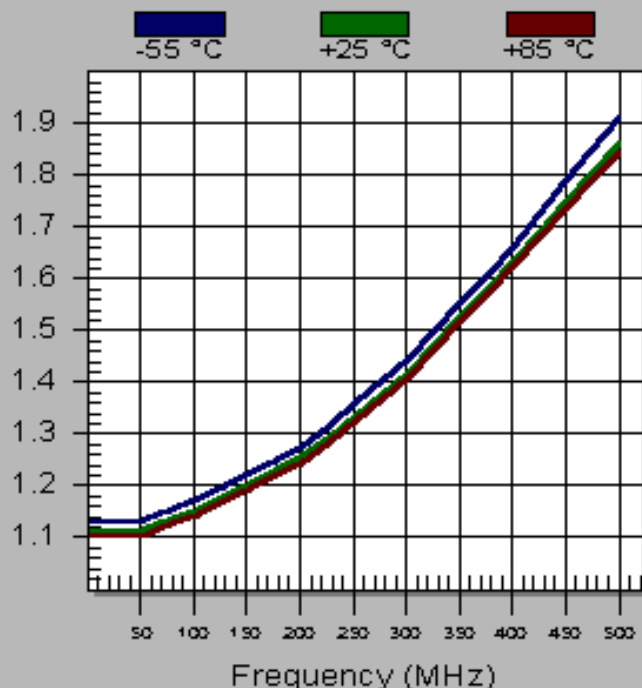
TM6505 Reverse Isolation (dB)

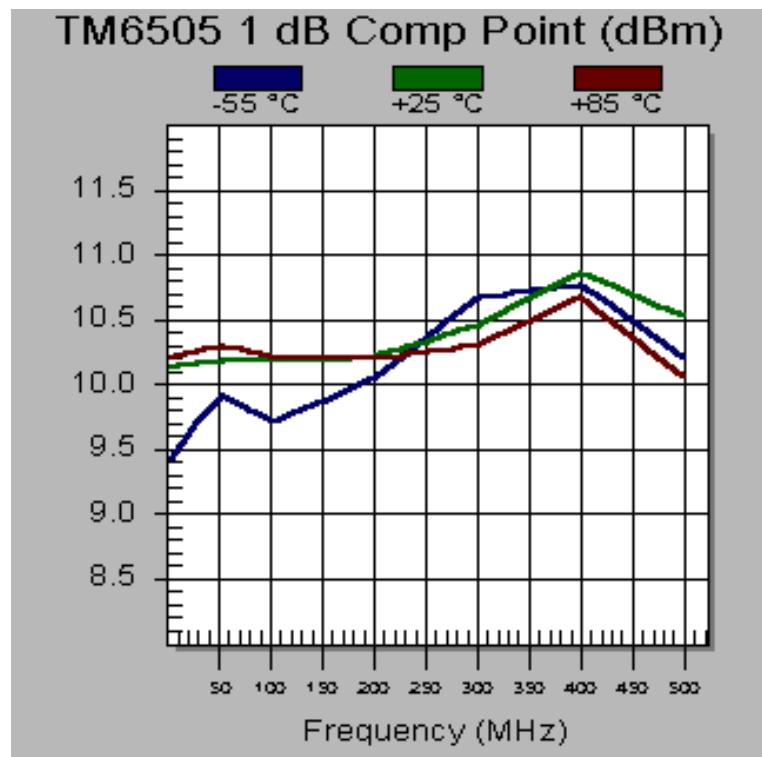
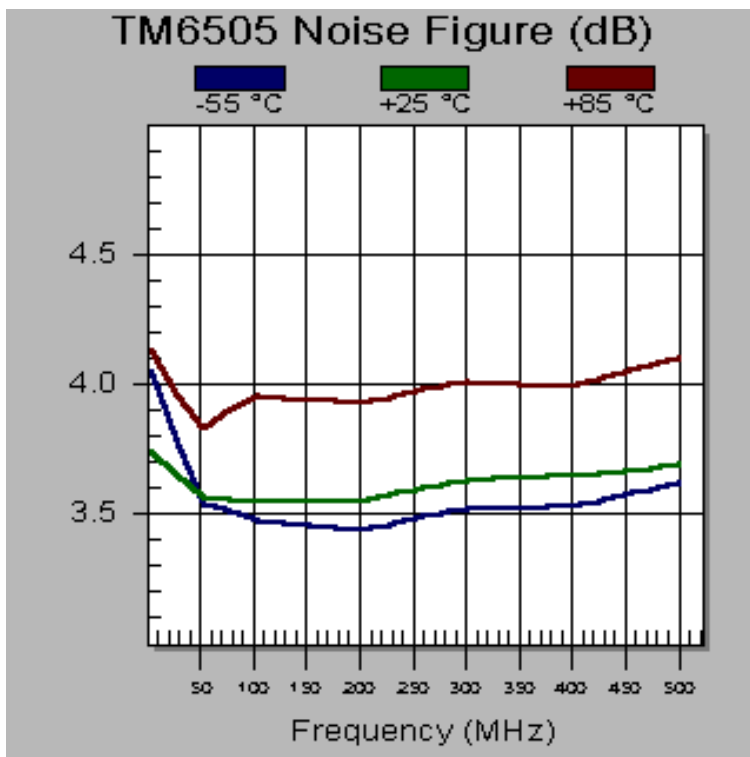


TM6505 Input VSWR



TM6505 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.080	-3.0	5.80	-178.0	0.1000	2.0	0.050	-168.0
50	0.070	-7.0	5.70	170.0	0.1000	0.0	0.050	-158.0
100	0.070	-10.0	5.69	159.0	0.1000	-2.0	0.070	-142.0
200	0.080	-19.0	5.66	139.0	0.1000	-1.0	0.110	-138.0
300	0.080	-38.0	5.63	118.0	0.1100	-3.0	0.170	-149.0
400	0.080	-63.0	5.56	97.0	0.1100	-7.0	0.240	-164.0
500	0.080	-92.0	5.44	74.0	0.1200	-10.0	0.300	179.0

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