



Amplifier Datasheet

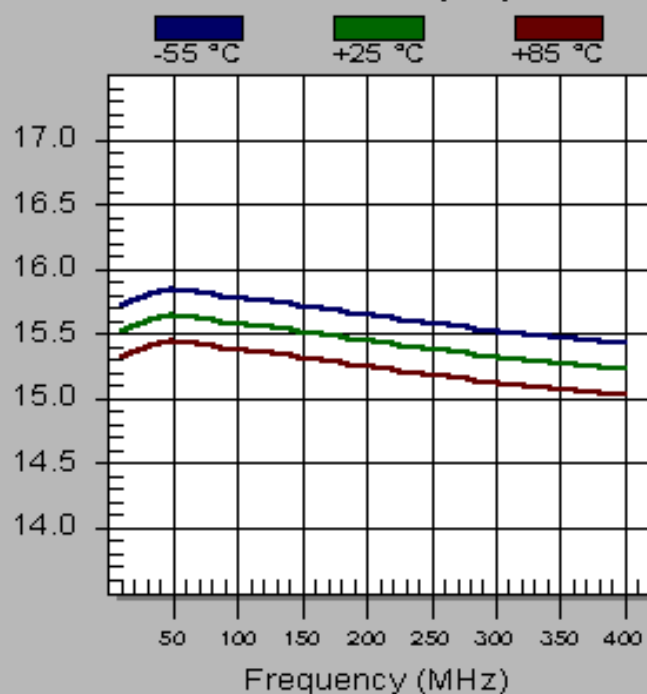
TM6487

Product Data Summary

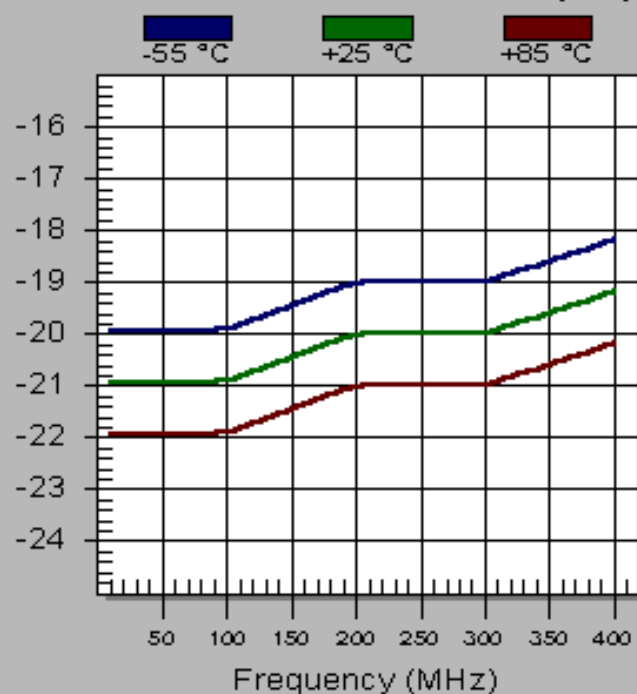
Parameter	Min/Max	Typical
Operating Frequency	10 - 400 MHz	
Noise Figure	5.0 dB	3.2 dB
Gain	14.0 dB	15.5 dB
Power Output (1 dB Compression)	+15.0 dBm	+17.5 dBm
2nd Order Intercept		+45.0 dBm
3rd Order Intercept		+32.0 dBm
Reverse Isolation	-18.0 dB	-20.0 dB
VSWR Input	2.0:1	1.5:1
VSWR Output	2.0:1	1.7:1
DC Voltage		15.0 V
DC Current		33.0 mA

Typical Performance

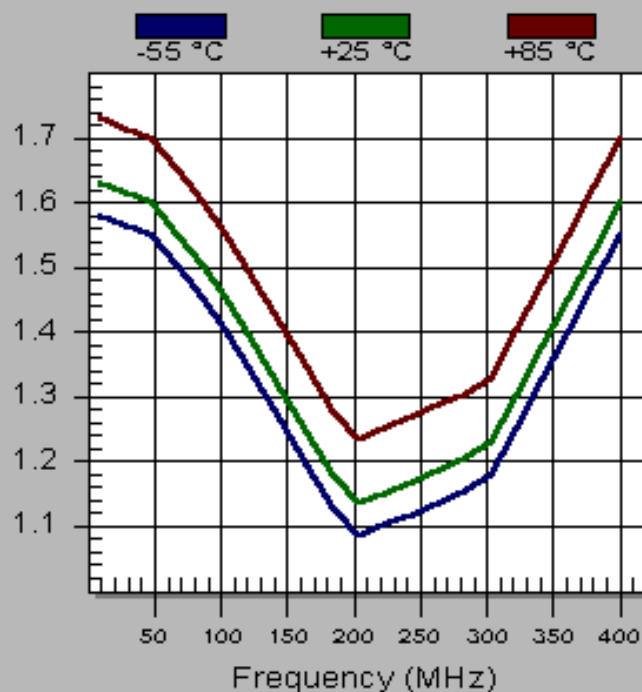
TM6487 Gain (dB)



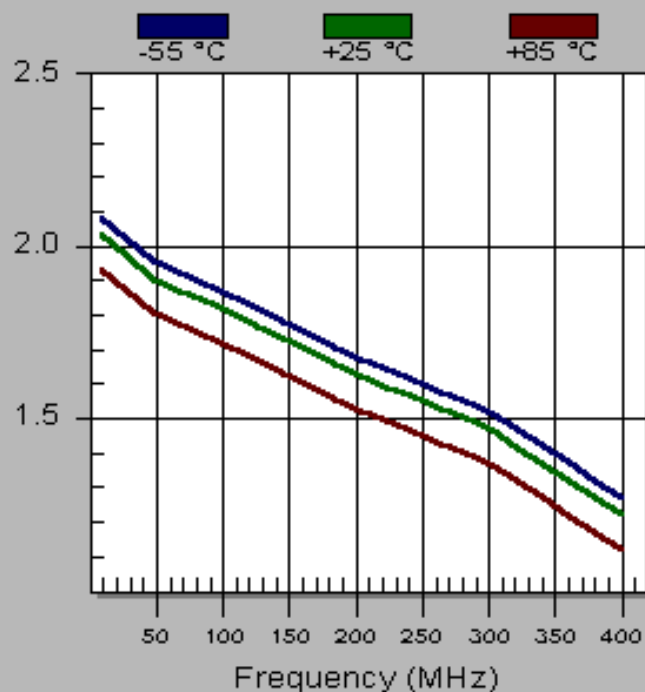
TM6487 Reverse Isolation (dB)

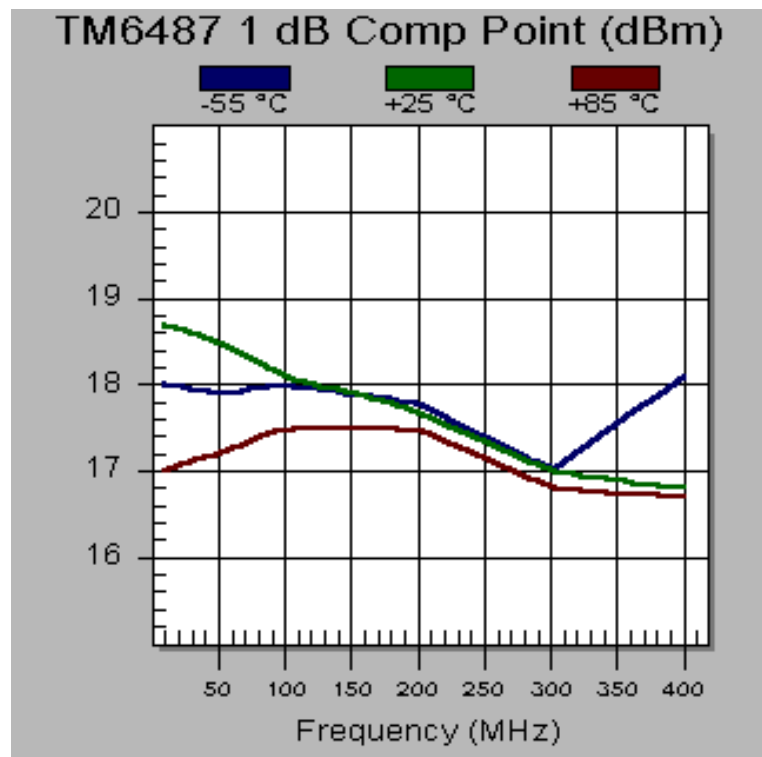
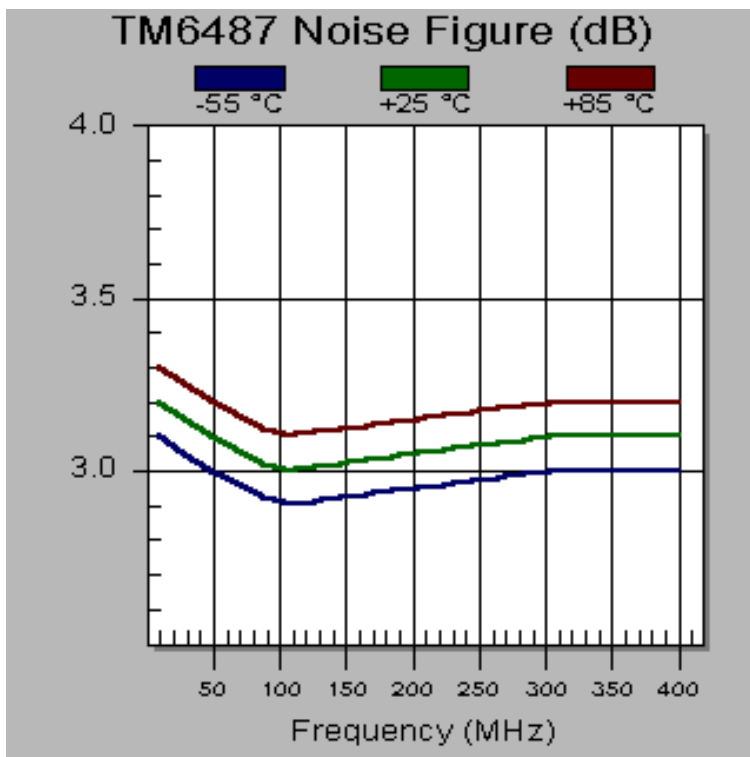


TM6487 Input VSWR



TM6487 Output VSWR





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
10	0.240	-160.0	5.98	-177.0	0.0900	6.0	0.340	174.0
50	0.230	169.0	6.06	162.0	0.0900	-7.0	0.310	176.0
100	0.190	155.0	6.02	141.0	0.0900	-16.0	0.290	176.0
200	0.060	134.0	5.92	101.0	0.1000	-35.0	0.240	179.0
300	0.100	-119.0	5.84	59.0	0.1000	-58.0	0.190	-172.0
400	0.230	-172.0	5.78	11.0	0.1100	-88.0	0.100	-121.0

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Information in this document is subject to change without notice.