

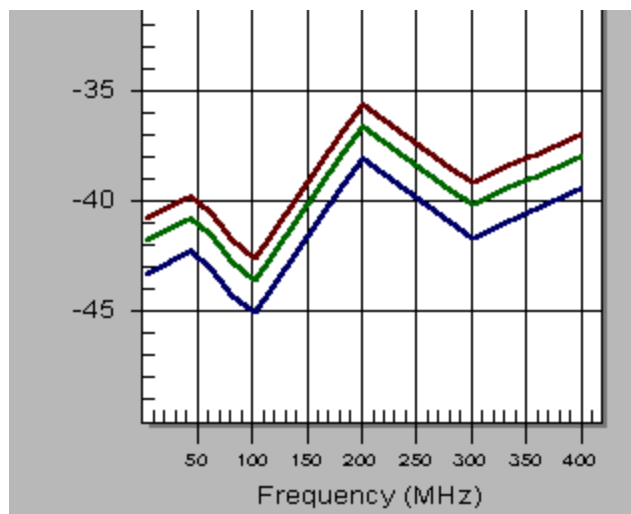
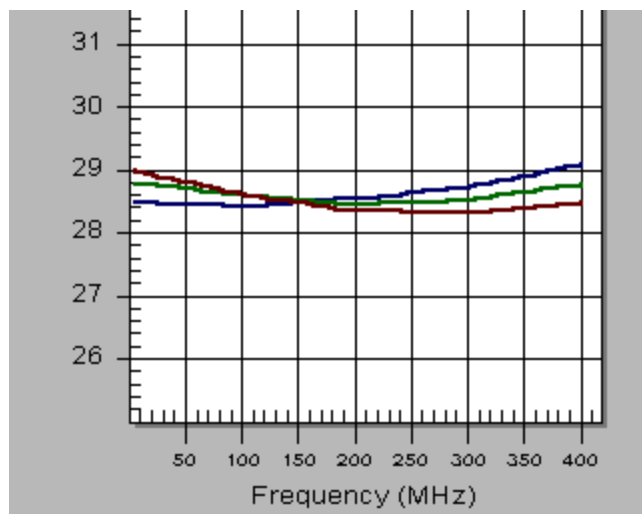


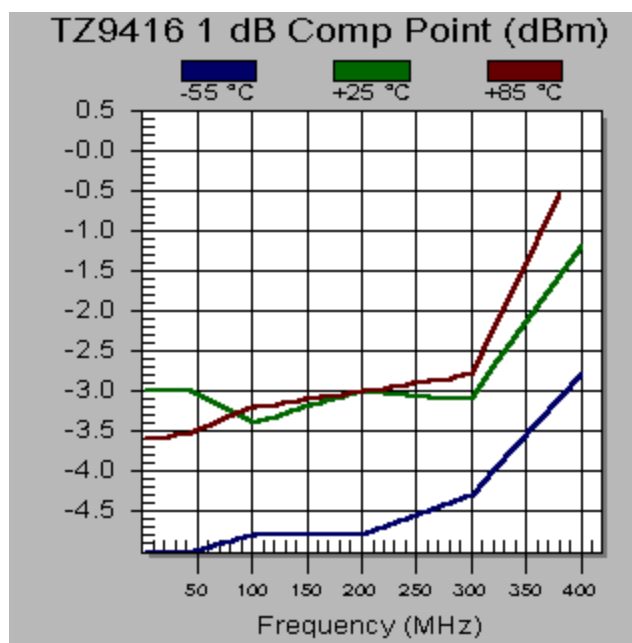
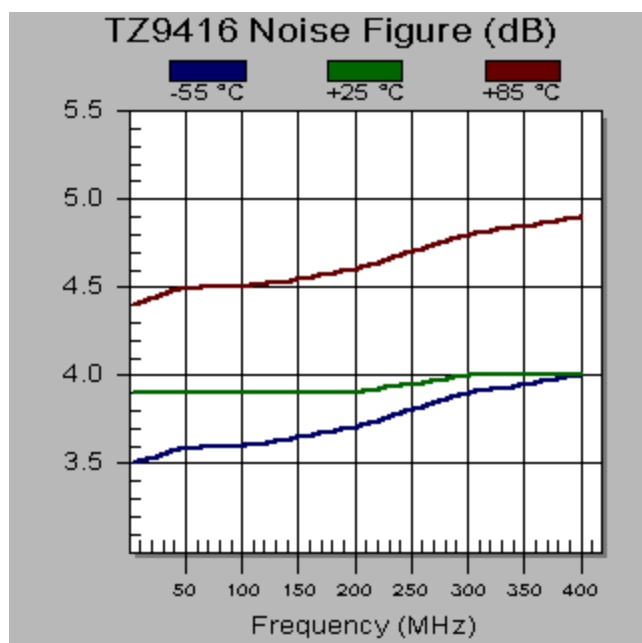
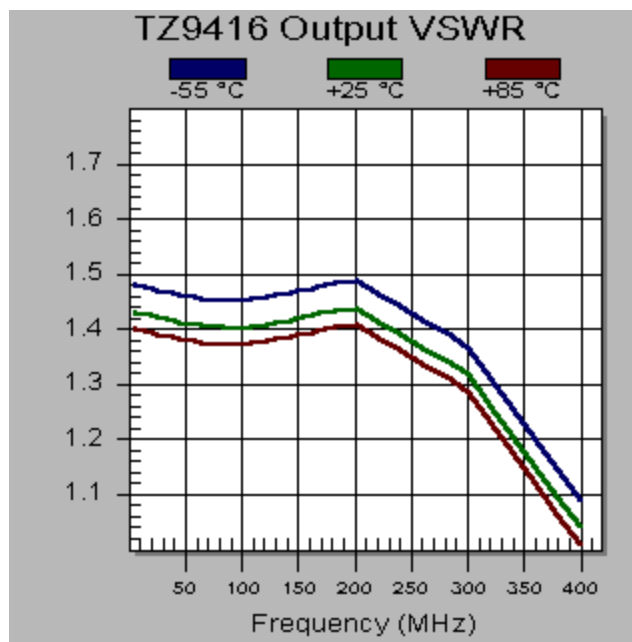
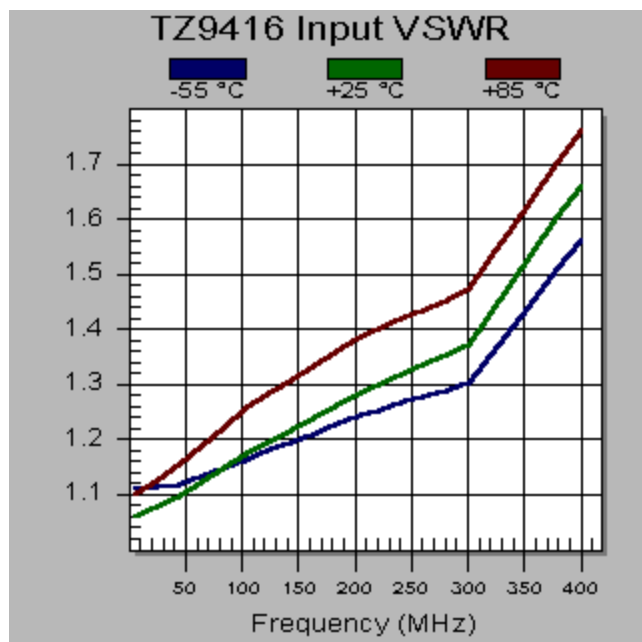
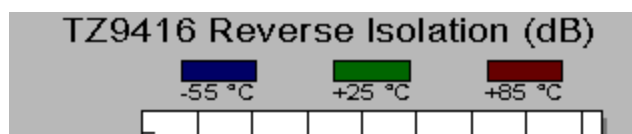
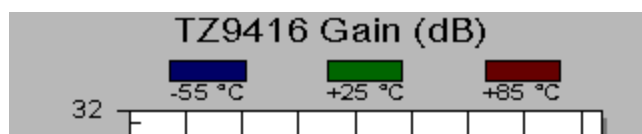
TZ9416

Product Data Summary

Parameter	Min/Max	Typical
Operating Frequency	5 - 400 MHz	
Noise Figure	5.5 dB	4.0 dB
Gain	27.0 dB	28.0 dB
Power Output (1 dB Compression)	-6.0 dBm	-3.4 dBm
2nd Order Intercept		+11.0 dBm
3rd Order Intercept		+9.0 dBm
Reverse Isolation	-35.0 dB	-40.0 dB
VSWR Input	2.0:1	1.3:1
VSWR Output	2.0:1	1.5:1
DC Voltage		15.0 V
DC Current		20.0 mA

Typical Performance





Packaging Options

S-Parameters

Frequency	S11		S21		S12		S22	
(MHz)	Mag	Ang	Mag	Ang	Mag	Ang	Mag	Ang
5	0.031	-137.6	27.48	1.5	0.0080	9.8	0.176	-5.2
50	0.049	-126.0	27.26	-21.0	0.0090	6.5	0.172	-0.9
100	0.077	-127.0	26.97	-42.3	0.0060	45.9	0.168	-1.5
200	0.121	-131.5	26.45	-83.7	0.0150	43.9	0.179	-4.9
300	0.156	-129.0	26.67	-124.6	0.0100	23.9	0.137	-15.1
400	0.249	-122.8	27.49	-167.8	0.0130	14.3	0.019	72.0

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