

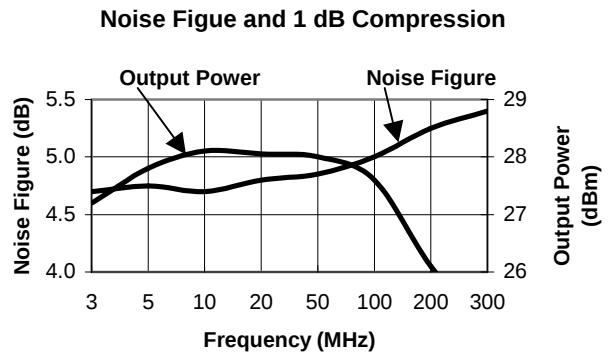
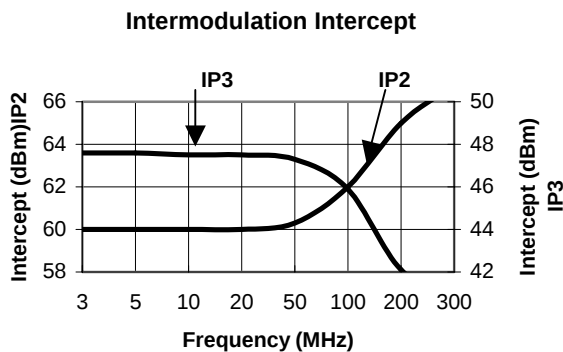
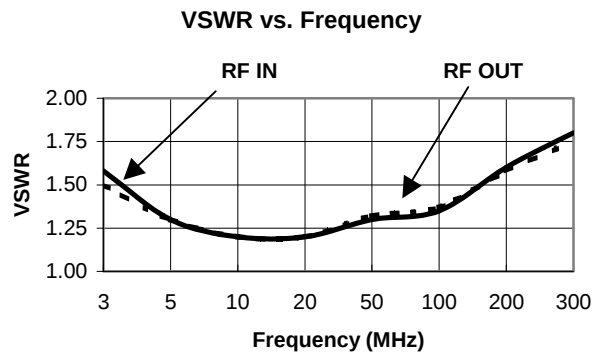
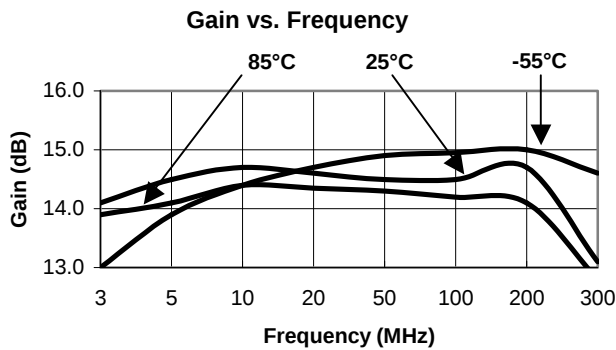
Electrical Specifications² $T_A = -55^\circ\text{C}$ to $+85^\circ\text{C}$ Case Temperature

Parameter	Test Conditions	Frequency	Units	Min	Typical	Max
Gain	50 MHz @ $+25^\circ\text{C}$	50 MHz	dB	14.0	14.6	15.2
Frequency Response	—	5 - 200 MHz	dB	—	—	± 0.5
Gain Variation with Temperature	—	5 - 200 MHz	dB	-1.0	—	+0.5
1 dB Compression	Output Power	5 - 200 MHz	dBm	+23	—	—
Noise Figure	—	5 - 200 MHz	dB	—	—	7.0
Reverse Transmission	—	5 - 200 MHz	dB	—	-21	-19
VSWR	—	5 - 200 MHz	Ratio	—	—	2.5:1
Output IP_2	Two-tone inputs up to +10 dBm	5 - 200 MHz	dBm	+55	—	—
Output IP_3	Two-tone inputs up to +10 dBm	5 - 200 MHz 5 - 70 MHz	dBm dBm	+37 +42	— —	— —
Vbias	—	—	V	14.25	15	15.75
Ibias	1.35W Typical	—	mA	—	90	110

2. All specifications apply when operated at +15 VDC, with 50 ohms source and load impedance.

3. Heat Sinking: Operation at case temperature above 95°C is not recommended. Heat sinking adequate to dissipate 1.35W must be provided in use.

Typical Performance



Specifications subject to change without notice.

V 3.0

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