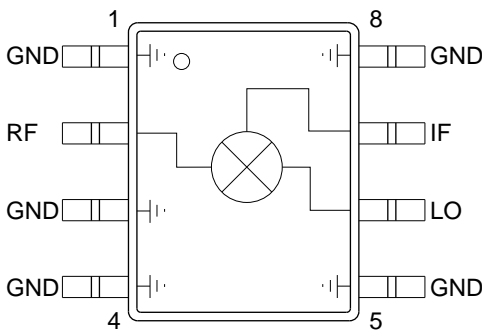


Absolute Maximum Ratings¹

Parameter	Absolute Maximum
RF Input Power ²	+22 dBm
LO Drive Power ²	+23 dBm
Operating Temperature	-40°C to +85°C
Storage Temperature	-65°C to +150°C

1. Operation of this device above any one of these parameters may cause permanent damage.
2. Total power for RF and LO ports should not exceed +23 dBm.

Functional Diagram³



3. External matching network on LO Port:
R = 470 ohms, L = 18 nH, C = 4.7 pF

Spurious Table

HARMONIC OF LO (n)	HARMONIC OF RF (m)				
	8.9	40.1	70.1	69.9	73.4
4x	-1.1	39.9	61.6	63.9	64.4
	2.2	34.2	59.8	67.3	73
3x	-7.7	34.1	63.8	64.5	63
	2.9	23.7	72.8	72.9	71.9
2x	-7.1	23.8	64.7	63.3	61.9
	-2.2	0	61.4	71.3	71.1
1x	-12.2	0	63.3	61.8	61.9
	X	4.7	65.1	71.5	72.1
0x	X	4.8	61.3	61.9	62.3
	0x	1x	2x	3x	4x

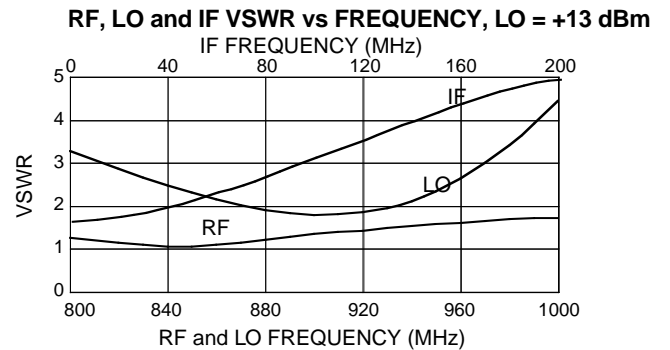
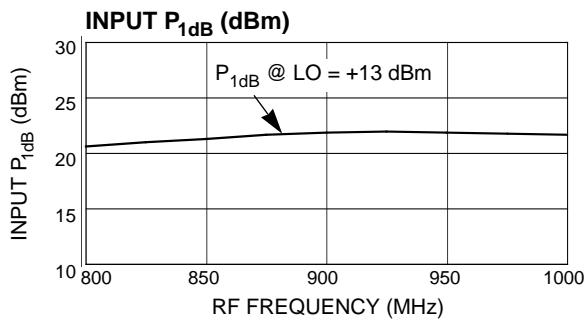
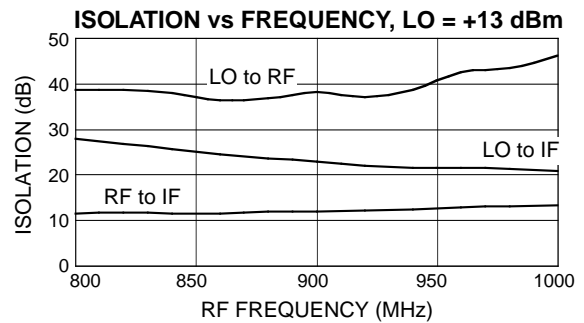
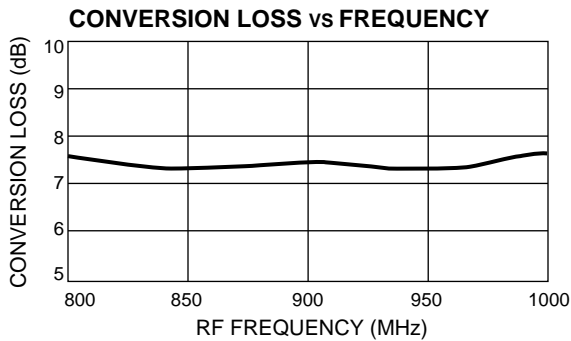
The spurious table shows the spurious signals resulting from the mixing of the RF and LO input signals, assuming down conversion. Mixing products are indicated by the number of dB below the conversion loss. The lower frequency mixing term is shown for two different RF input levels. The top number is for an RF input power of -5 dBm, the lower number is for -15 dBm.

$$|mF_{RF} - nF_{LO}|, RF = -5 \text{ dBm}$$

$$|mF_{RF} - nF_{LO}|, RF = -15 \text{ dBm}$$

RF Frequency = 900 MHz
LO Frequency = 840 MHz

Typical Performance



Specifications Subject to Change Without Notice.