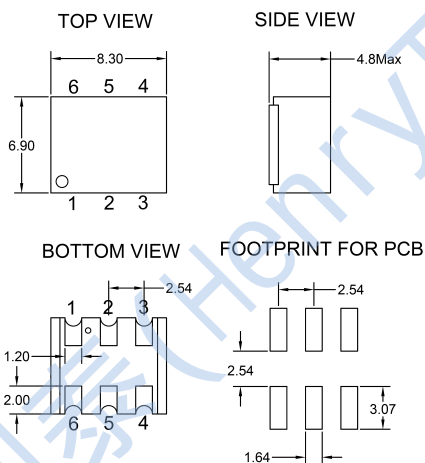




10-1000Mhz LO Power + 4 dBm Frequency Mixer

HT-ADEX-10L+

Mechanical Dimensions:



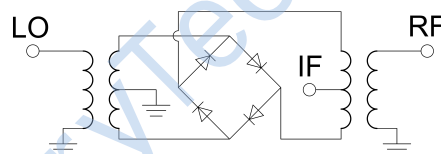
Notes:

- 1: Dimensions in mm.
- 2: Tolerance $\pm 0.3\text{mm}$ unless otherwise noted.

Ports Configuration:

IF	2
RF	3
LO(+4dBm)	6
Ground	1,4,5

Schematic:



Maximum Ratings:

Parameters	Conditions	Unit	Min	Max
RF Power		Watt		0.05
DC Current		mA		10
Operating Temperature Range		Degree Cel	-40	85
Storage Temperature Range		Degree Cel	-55	100
Moisture Sensitivity Level				1

Ordering Information:

Part Description	Details
HT-ADEX-10L+	800 per reel



10-1000MHz LO Power + 4 dBm Frequency Mixer

HT-ADEX-10L+

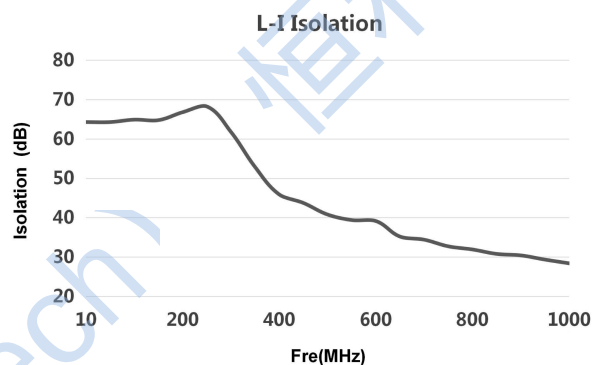
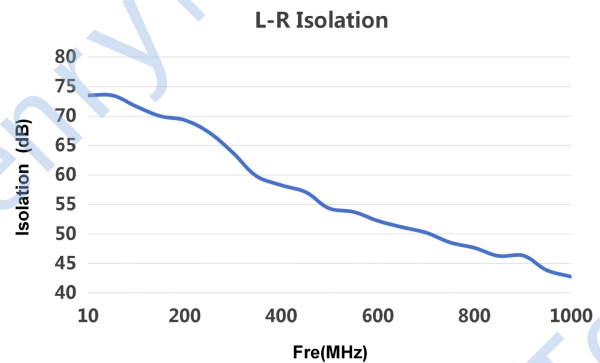
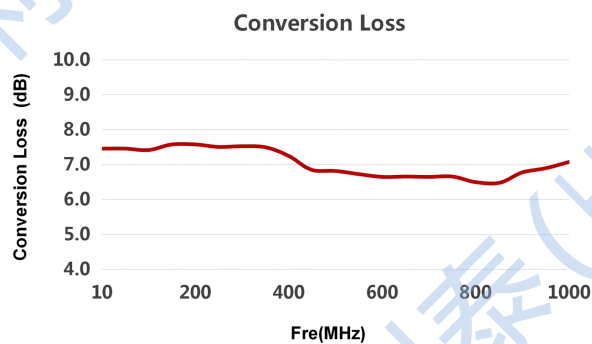
Electrical Specifications: $Z_0=50\ \Omega$ Pin = 0 dBm

Parameter	Test Conditions	Unit	Min	Typical	Max
Frequency Range	-	MHz	10	~	1000
Conversion Loss	10-1000MHz	dB	-	-	8.8
LO-RF Isolation	10-1000MHz	dB	37	47	-
LO-IF Isolation	10-1000MHz	dB	13	24	-
P1dB	10-1000MHz	dBm	-	3	-
IP3	10-1000MHz	dBm	-	16	-

Notes:

1: Specifications guaranteed over the operating temperature range.

Typical Performance Curves:



Typical Performance Data

Frequency (MHz)		Conversion Loss(dB)	Isolation L-R(dB)	Isolation L-I(dB)
RF	LO	LO(+4dBm)	LO(+4dBm)	LO(+4dBm)
10.00	40.00	7.46	73.51	64.32
25.00	55.00	7.42	71.63	64.94
55.00	85.00	7.58	69.98	64.81
70.00	100.00	7.58	69.32	66.82
100.00	130.00	7.51	67.25	68.30
172.00	202.00	7.53	63.77	61.85
244.00	274.00	7.50	59.74	52.92
316.00	346.00	7.25	58.26	45.93
352.00	382.00	6.85	57.11	43.77
424.00	454.00	6.82	54.30	40.83
460.00	490.00	6.73	53.72	39.42
532.00	562.00	6.65	52.21	39.17
604.00	634.00	6.66	51.14	35.22
640.00	670.00	6.65	50.20	34.43
712.00	742.00	6.66	48.53	32.74
748.00	778.00	6.50	47.62	31.94
820.00	850.00	6.48	46.25	30.82
856.00	886.00	6.78	46.33	30.44
928.00	958.00	6.90	43.81	29.37
1000.00	1030.00	7.08	42.73	28.42