

LT Series High Frequency, Broadband

PRODUCT FEATURES

- High vibration tolerance: 14 g's RMS Operating, 20 g's RMS Functional
- Optionally hermetically-sealed per MIL-STD-883

GENERAL CHARACTERISTICS

- Frequency: 50 MHz - 11 GHz
- Bandwidth: Fixed, to > octave
- Phase Noise (Fout=3 GHz): <-100 dBc/Hz @ 10 KHz
- Modular Package: 1.3" x 1.1" x 0.4"
(33.0 x 27.9 x 10.2)mm



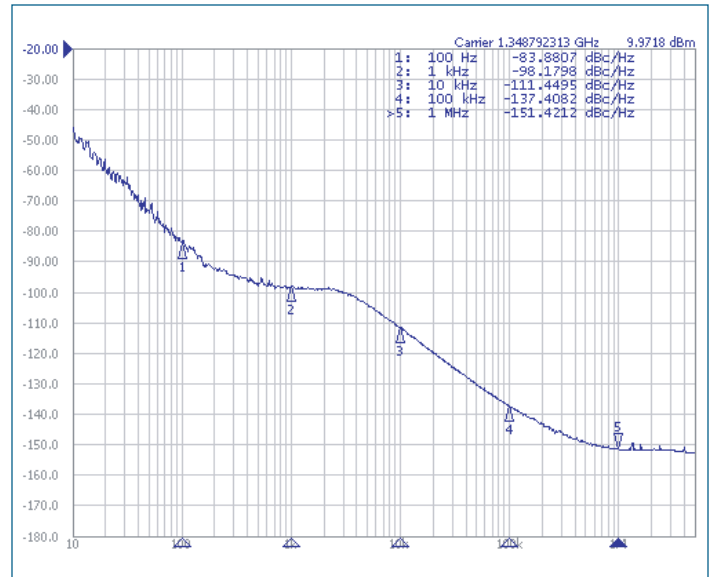
Custom Designs Available

Typical Performance for Select Units

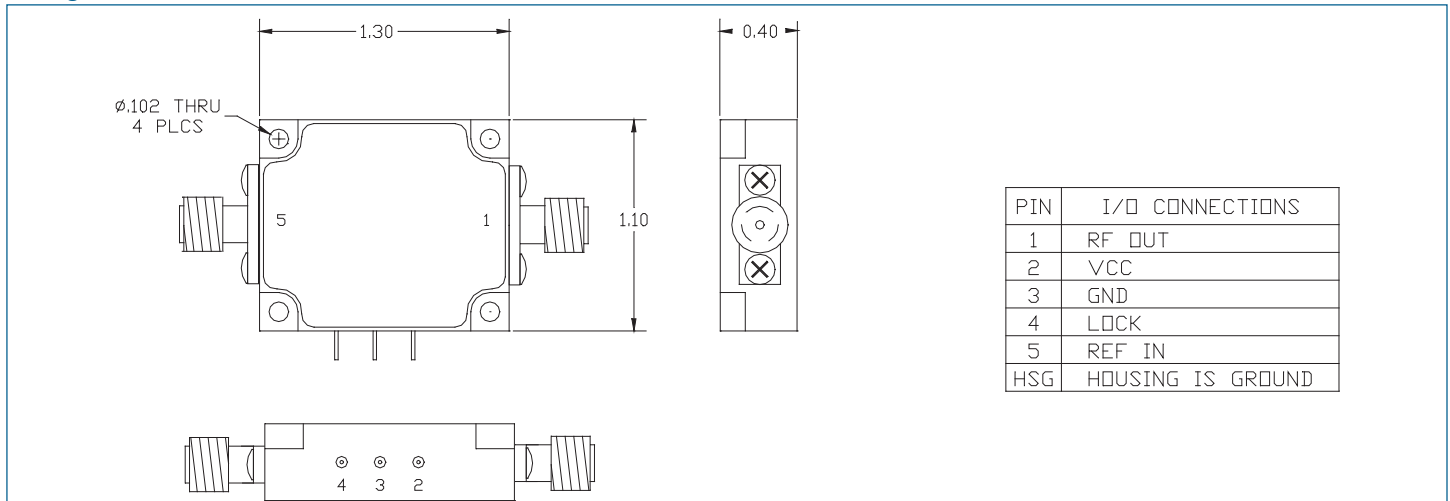
Model #	Freq. (MHz)	Step Size (KHz)	Power Out (dBm)	Harmonics (dBc)	Phase Noise (dBc/Hz)			Spurs (dBc)	Voltage (Vdc)	Supply Current (mA)
					10 KHz	100KHz				
LT-314-XX*	306.175-314.175	150	+7	-20	-100	-125	-80	+8	175	
LT-632-XX	632	na	+10	-15	-112	-135	-70	+5	145	
LT-1000-XX	1000	na	+7	-20	-108	-135	-70	+6	145	
LT-1170-XX	1170	na	+0	-20	-102	-125	-70	+6	100	
LT-1822-XX	1822	na	+0	-20	-100	-120	-70	+3.3	100	
LT-2000-XX	2000	na	+3	-20	-100	-120	-60	+5	100	
LT-2700-XX	2700	na	+7	-20	-100	-120	-70	+5	100	
LT-2905-XX	2752.5-2905.625	156	+7	-20	-90	-117	-75	+6	100	
LT-3300-XX	3300	na	+7	-20	-98	-120	-70	+5	100	
LT-5000-XX	5000	na	+7	-30	-97	-115	-70	+5	135	
LT-5375-XX	5375	na	+3	-15	-95	-115	-70	+6	150	
LT-6000-XX	6000	na	+7	-20	-95	-115	-60	+5	100	
LT-6300-XX	6300	na	+3	-20	-92	-112	-70	+10	130	
LT-6975-XX	6975	na	+3	-15	-89	-111	-75	+12	140	
LT-7520-XX	7480-7520	1000	+3	-20	-85	-100	-65	+5	150	

*Custom frequencies available. All specifications are typical unless otherwise specified and subject to change without notice.

Phase Noise



Package



Note: All dimensions are in inches, unless otherwise specified

*Drawing not to scale