

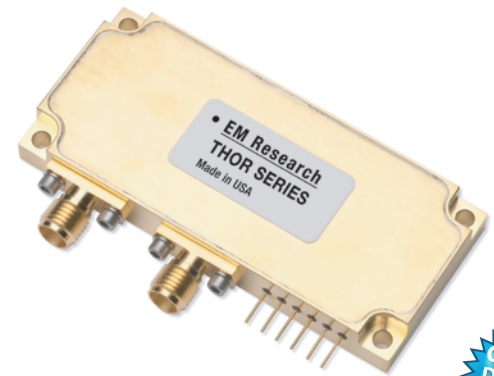
THOR Series High Frequency, Broadband

PRODUCT FEATURES

- Broad frequency coverage
- Fast switching (<250 μ Sec) available
- Optionally hermetically-sealed per MIL-STD-883

GENERAL CHARACTERISTICS

- Frequency: 1 - 18 GHz
- Bandwidth: Fixed, up to 30%
- Phase Noise (Fout=13 GHz): <-90 dBc/Hz @ 10 KHz
- Modular Package: 2.5" x 1.1" x 0.4" (63.5 x 27.9 x 10.2)mm



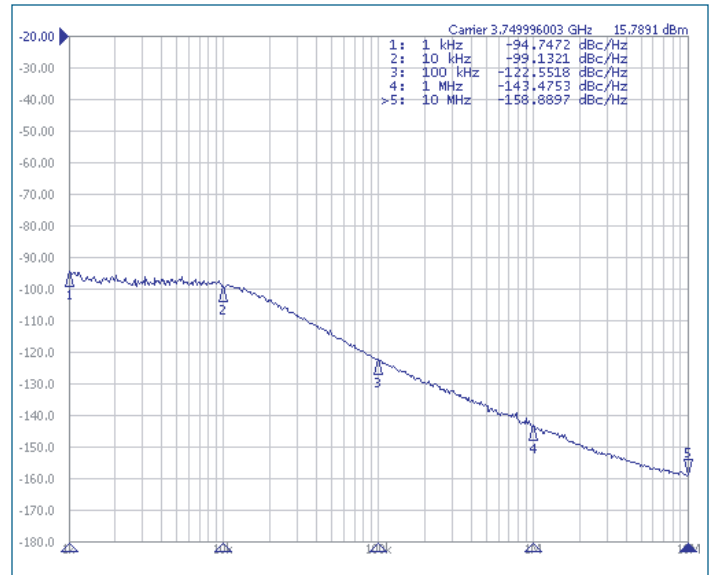
Custom Designs Available

Typical Performance for Select Units

Model #	Freq. (MHz)	Step Size (KHz)	Power		Phase Noise (dBc/Hz)			Supply	
			Out (dBm)	Harmonics (dBc)	10 KHz	100KHz	Spurs (dBc)	Voltage (Vdc)	Current (mA)
THOR-1044-XX	968-1044	125	+7	-20	-95	-120	-60	+5	200
THOR-2800-XX	2800	-	+7	-20	-100	-120	-60	+12	200
THOR-4100-XX	3700-4100	1000	+7	-15	-88	-110	-60	+15	200
THOR-6300-XX	6300	-	+18	-25	-92	-112	-70	+8	200
THOR-7920-XX	7920	-	+7	-20	-90	-110	-70	+12	225
THOR-8325-XX	8325	-	+7	-20	-90	-110	-80	+12	250
THOR-8400-XX	8000-8400	1000	+7	-15	-90	-105	-50	+8	250
THOR-9010-XX	9010	-	+0	-20	-88	-108	-60	+8	225
THOR-10000-XX	8400-10000	100	+10	-15	-70	-90	-50	+8	250
THOR-11000-XX	9000-11000	10000	+3	-15	-70	-85	-50	+8	200
THOR-11500-XX	11300-11500	1000	+7	-20	-80	-100	-60	+12	300
THOR-11700-XX	10200-11700	1000	+7	-20	-70	-85	-40	+8	300
THOR-12800-XX	12800	-	+12	-20	-90	-110	-60	+12	-
THOR-13500-XX	13500	-	+7	-20	-90	-110	-60	+12	225
THOR-14000-XX	14000	-	+7	-20	-88	-108	-70	+5	225

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

Phase Noise



Package

Removable SMA Connectors:

Optional Gull-Wing:

PIN	I/O CONNECTIONS
CONF	-01 -02
1	VCC VCC
2	GND GND
3	ENABLE NC
4	DATA NC
5	CLOCK NC
6	LDCK LDCK
7	REF IN REF IN
8	RF OUT RF OUT

Note: All dimensions are in inches, unless otherwise specified

*Drawing not to scale