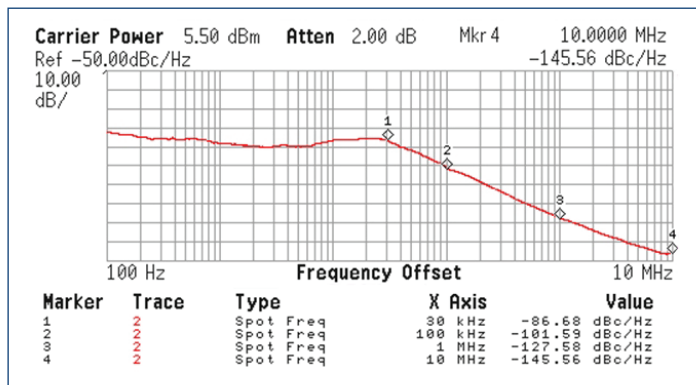


Frequency:	2000 to 4000 MHz
Step Size:	5 MHz
Reference:	10 MHz, External
Output Power:	+4 dBm
Harmonics:	<-10 dBc
Spurs:	<-60 dBc (reference spurs) <-60 dBc (all others)
Supply:	+5V @ 60 mA (VCC-1) +20V @ 5 mA (VCC-2)
Temp Range:	-40°C to +85°C, operating
Package:	0.5" x 0.5" x 0.15" • (12.7 x 12.7 x 3.8)mm



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

Plot



Description

The SLX-4000 is a miniature broadband frequency synthesizer for battery powered military systems and devices. The unit operates from 2000 to 4000 MHz locked to a 10 MHz external reference and features 5 MHz step size. The unit also features +4 dBm output power, low spurs and extremely low current draw (+5 V @ 60 mA, typical). Fast switching units are also available. The SLX Series is housed in an ultra-miniature 0.5" square package.

Custom frequencies available in bandwidths up to an octave.

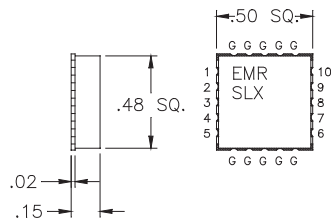
Typical Phase Noise @ 3400 MHz

Phase Noise:	<-80 dBc/Hz @ 10 KHz
	<-85 dBc/Hz @ 30 KHz
	<-95 dBc/Hz @ 100 KHz
	<-120 dBc/Hz @ 1 MHz

Applications

Battery Powered Military & Commercial Systems and Devices
Microwave Radios
Telemetry
Satellite Communications

Package



PIN OUT TABLE

PIN	FUNCTION
1	LOCK
2	ENABLE
3	DATA
4	CLOCK
5	REF IN
6	RF OUT
7	Vcc 1
8	GND
9	GND
10	Vcc 2

ALL OTHER PINS ARE GROUND

Note: All dimensions are in inches, unless otherwise specified

*Drawing not to scale