

# LX-130-XA

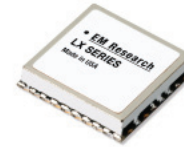
PRODUCT RELEASE

## 0.75" Surface-Mount, Frequency Synthesizer

118 to 130 MHz

### FEATURES

- Exceptionally-Low Phase Noise (<-142 dBc/Hz @ 100 KHz)
- Low Spurs (<-70 dBc), Low Harmonics (<-40 dBc)
- Selectable, Small Step Sizes (10 KHz or 25 KHz)
- Miniature, SMT Package (0.75" square)



Custom Designs Available

### SPECIFICATIONS

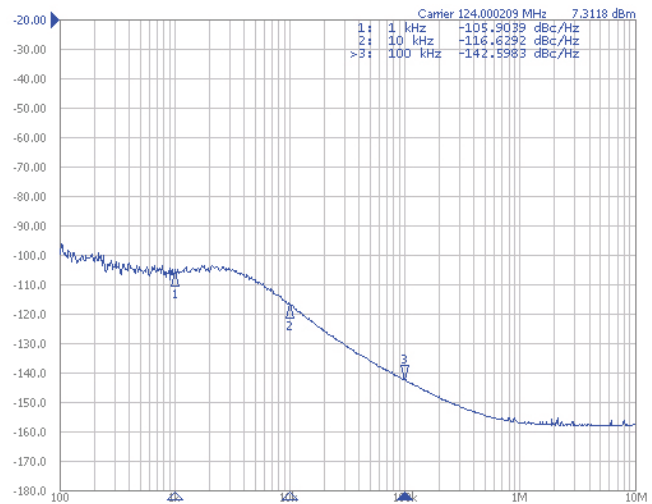
Frequency.....	118 to 130 MHz
Step Size .....	10 KHz or 25 KHz
External Reference.....	10 MHz
Power Output.....	+7 dBm ±2 dB, 50 Ω
Harmonics .....	<-40 dBc
Spurs .....	<-70 dBc
Supply.....	+5V
Current.....	≤150 mA
Temperature Range (Operating).....	-30°C to +70°C
Package Size.....	0.75" x 0.75" x 0.15"

### Phase Noise (dBc/Hz)

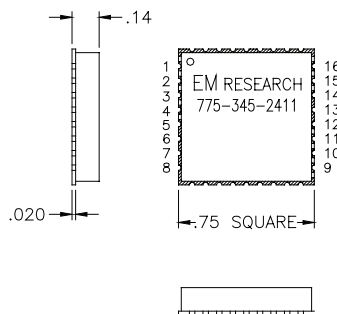
1 KHz Offset .....	<-105
10 KHz Offset .....	<-116
100 KHz Offset .....	<-142

Note: All specifications are typical unless otherwise specified and subject to change without notice. Not all performance parameters are available in combination with certain specifications. E.G. Not all power output levels are available at all frequency ranges.

Figure 1: Phase Noise at 124 MHz locked to 10 MHz external reference.



### PACKAGE OUTLINE



Notes:

1. Tape-and-Reel available for high volume quantities.
2. Demo Boards, Programming Modules and Reference Modules available.
3. All dimensions are in inches unless otherwise specified.
4. Diagrams and pictures shown are examples only.