

CLX Series

PRODUCT SERIES OVERVIEW

0.75" Phase-Locked Oscillator
200 MHz to 4.5 GHz

FEATURES

- Exceptionally-Low Phase Noise
- Miniature, SMT Package (0.75" square)
- Fixed-Frequencies to 4500 MHz
- Optional Differential LVPECL Reference Input



Custom Designs Available

SPECIFICATIONS

Frequency Range 200 to 4500 MHz
 Bandwidth Fixed
 External Reference 5 to 100 MHz
 Power Output up to +20 dBm
 Harmonics <-25 dBc
 Spurs <-60 dBc
 Supply Options +3.3, +5 VDC
 Current ≤175 mA

Package Size 0.75" x 0.75" x 0.25"
 (19 x 19 x 6.4)mm

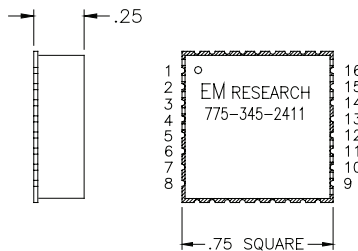
Phase Noise (dBc/Hz)	1000 MHz	4000 MHz
1 KHz Offset	<-100	<-90
10 KHz Offset	<-110	<-100
100 KHz Offset	<-135	<-126
1 MHz Offset	<-155	<-145

Temperature Ranges (Operating)

Standard -20°C to +60°C
 Other Available Ranges -30°C to +70°C
 -40°C to +85°C

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.

PACKAGE OUTLINE



Notes:

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

CLX Series_Product Overview Datasheet, Rev B, 8.4.14



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