HLX Series
PRODUCT SERIES OVERVIEW

FEATURES
- Ruggedized, Surface-Mount Package (0.8” square)
- Fixed-Frequencies to 14 GHz
- Hermetically-Sealed per MIL-STD-883
- Extreme Shock and Vibration Tolerance
- Output Power to +14 dBm Available

SPECIFICATIONS

- Frequency Range: 50 MHz to 14 GHz
- Bandwidth: Fixed
- External Reference: 5 to 100 MHz
- Power Output: up to +14 dBm
- Harmonics: <-20 dBc
- Spurs: <-60 dBc
- Supply Options: +3.3, +5 VDC
- Current: ≤100 mA
- Package Size: 0.8” x 0.8” x 0.15” (20.3 x 20.3 x 3.8)mm

SPECIFICATIONS

- Phase Noise (dBc/Hz)
  - 1 KHz Offset: <-97
  - 10 KHz Offset: <-90
  - 100 KHz Offset: <-100
  - 1 MHz Offset: <-134

- Temperature Ranges (Operating)
  - Standard: -30°C to +70°C
  - Optional: -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.

PACKAGING OUTLINE

Notes:
1. Optional epoxy seal available.
2. Demoboards and Reference Modules available.
3. All dimensions are in inches unless otherwise specified.
4. Diagrams and pictures shown are examples only.

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