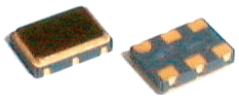


PECL COMPATIBLE CRYSTAL OSCILLATOR IN CERAMIC LCC PACKAGE - XO75PE Series

FEATURES

- RoHS Compliant (Pb-Free), Best Suited for ECL Logic Devices
- Very Low Phase Jitter, Excellent Noise Margin, No Internal PLL
- Leadless Chip Carrier (LCC) Ultra Small Package, Industry de facto Standard Footprint
- Complimentary Output, Tri-state Enable/Disable Standard or Option

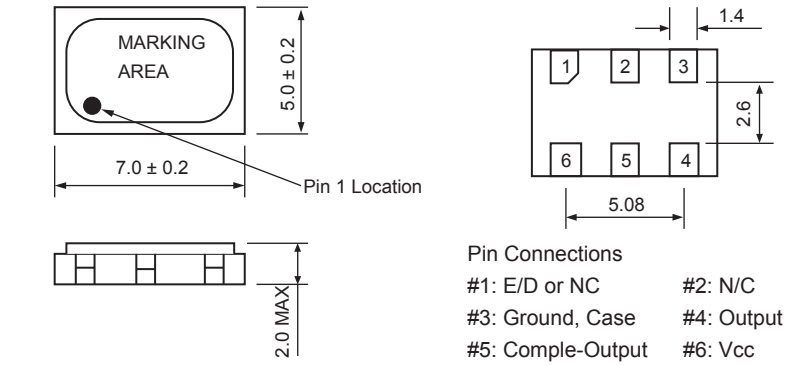
SPECIFICATIONS

Frequency Range	10 MHz to 320 MHz
Standard Frequency	10/ 15.625/ 19.53125/ 80/ 100/ 106.25/ 125/ 133.33/ 155.52/ 156.25/ 161.1328 MHz
Input Voltage (Vcc)	B = +3.3 VDC ± 0.3 VDC; C = +2.5 VDC ± 5%
Input Current	88 mA Maximum, depending on frequency and output load
Storage Temperature	-55°C to 125°C
Overall Frequency Stability	100 = ±100 ppm; 50 = ±50 ppm; 25 = ±25 ppm
Temperature Range	A = 0°C to 70°C; B = -40°C to 85°C
Standard Stability	50A = ±50 ppm / 0°C to 70°C
Electric Option (Duty Cycle)	1 = Tristate 60/40%; 3 = Tristate 55/45%; 5 = Tristate 52.5/47.5% 0 = No tristate 60/40%; 2 = No tristate 55/45%; 4 = No tristate 52.5/47.5%
Output Load	50 Ohms to Vcc - 2V or Thevenin Equivalent, Bias Required
Logic "1" / Logic "0" Level	(Vcc - 1.02V) Minimum / (Vcc - 1.63V) Maximum
Rise/Fall Time (Tr/Tf)	1 ns Maximum at 20% to 80% Vp-p
Start-up time	5 ms Maximum
Phase Jitter (RMS, 1 Sigma)	1 ps Max for fj > 1kHz; 0.3 ps Typical for fj = 12KHz to 20MHz
Tristate Function	Input (Pin 1) High (> 0.7Vcc) or open: Output (Pin 4, 5) active Input (Pin 1) Low (< 0.3Vcc): Output disabled in high impedance
Enable/Disable Time	2 ms Maximum - Enable; 200 ns Maximum - Disable

Creating a Part Number **XO75PE-155M520-B50A3**

- Product Series
- Frequency
- Supply Voltage: B = 3.3V, C = 2.5V
- Frequency Stability: 100 = ±100 ppm, 50 = ±50 ppm, 25 = ±25 ppm
- Duty Cycle, Tristate Option (see above)
- Operating Temperature Range: A = 0 to 70°C, B = -40 to 85°C, X = Customized Temp Range

OUTLINE DRAWING



Pin Connections

#1: E/D or NC	#2: N/C
#3: Ground, Case	#4: Output
#5: Comple-Output	#6: Vcc

All dimensions are typical unless otherwise specified

Dimensions in Millimeters