HCMOS/TTL COMPATIBLE SMD CLOCK OSCILLATORS - XO32 Series

FEATURES

- RoHS Compliant (Pb-Free), Industry Standard Pin-out Spacing
- Very Low Phase Jitter with Fundamental or 3rd Overtone Crystal Design
- Tri-state Enable/Disable Standard; 5V, 3.3V, 2.5V Option
- Leadless Chip Carrier (LCC) Ultra Small Package (3.2 x 2.5 x 1.1 mm)

SPECIFICATIONS

Frequency Range	1.8432 MHz to 50.00 MHz
Input Voltage (Vcc)	A = +5 VDC ± 10%; B = +3.3 VDC ± 10%; C = +2.5 VDC ± 10%
Input Current	12 mA / 20 mA Maximum for 3.3V / 5.0V
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; D = -20°C to 70°C
Standard Stability	100A = ±100 ppm / 0°C to 70°C
Electric Option (Symmetry)	1 = Tristate 60/40%; 3 = Tristate 55/45%
Output Load	HCMOS: 15 pF load
Logic "1" / Logic "0" Level	0.9Vcc Minimum / 0.1Vcc Maximum
Rise/Fall Time (Tr/Tf)	10 ns Maximum, depending on frequency and output load
Start-up time	10 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 2.2V if Vcc=5V) or open: Output (Pin 3) active Input (Pin 1) Low (< 0.3Vcc, or 0.8V if Vcc=5V): Output disabled in high impedance
Output Disabled Time	100 ns Maximum
Output Enable Time	100 ns Maximum

Creating a Part Number **XO32-25M000-B50A3**

- Product Series
- Frequency
- Supply Voltage: A = 5.0V, B = 3.3V, C = 2.5V
- Frequency Stability: 100 = ±100 ppm, 50 = ±50 ppm, 25 = ±25 ppm
- Operating Temperature Range: A = 0 to 70°C, B = -40 to 85°C, D = -20 to 70°C, X = Customized Temp Range
- Symmetry, Tristate Option (see above)

OUTLINE DRAWING