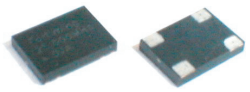

HCMOS/TTL CRYSTAL OSCILLATOR IN 7x5 mm QFN PLASTIC PACKAGE - XOP75 Series

FEATURES

- RoHS Compliant (Pb-Free), Industry Standard Pin-out Spacing
- Very Low Phase Jitter with Fundamental Crystal Design
- Tri-state Enable/Disable Standard; 5V, 3.3V, 2.5V or 1.8V Option
- Plastic Molded QFN Package (7x5x1.25 mm); MSL = 1

SPECIFICATIONS

Frequency Range	0.5 MHz to 54.0MHz
Input Voltage (Vcc)	A = +5VDC ±10%; B = +3.3VDC ±10%; C = 2.5VDC ±10%; D = 1.8VDC ±10%
Input Current	40 mA Maximum, depending on frequency and output load
Storage Temperature	-55°C to 125°C
Overall Frequency Stability	50 = ±50 ppm; 30 = ±30 ppm; 25 = ±25 ppm; 10 = ±10 ppm
Temperature Range	A = 0°C to 70°C; B = -40°C to 85°C; D = -20°C to 70°C; G = -10°C to 70°C
Standard Stability	50B = ±50 ppm / -40°C to 85°C
Electric Option (Symmetry)	1 = Tristate 60/40%; 3 = Tristate 55/45%; 5 = Tristate 52.5/47.5%
Output Load	HCMOS: Drive up to 50 pF load; TTL: Drive up to 10 TTL gates
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 Maximum 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
Standby Current	10 uA
Output Enable Time	100 ns Maximum

Creating a Part Number **XOP75-25M000-B50B3**

- Product Series
- Frequency
- Supply Voltage: A = 5.0V, B = 3.3V, C = 2.5V, D = 1.8V
- Frequency Stability: 10 = ±10 ppm, 50 = ±50 ppm, 25 = ±25 ppm
- Operating Temperature Range: A = 0 to 70°C, B = -40 to 85°C, G = -10 to 70°C, X = Customized Temp Range
- Symmetry, Tristate Option (see above)

OUTLINE DRAWING