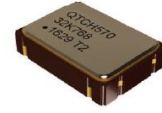
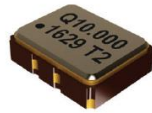


Crystal Oscillators for High Temperature Applications

Ultra-Miniature High Temperature XO's



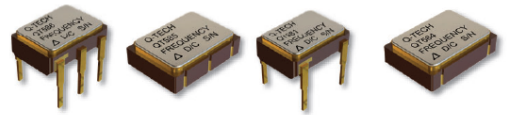
Product Line	QTCH230	QTCH350	QTCH570
Frequency	32.768kHz, 1 to 48MHz		
Stability	±150 to ±250ppm		
Temperature Range	-55°C to 200°C		
Crystal Mount	2-point		
Screening	MIL-PRF-55310, Level B available		
Supply Voltage (Vdc)	1.8, 2.5, 3.3	1.8, 2.5, 3.3, 5.0	
Output	CMOS		
Size	2.5 x 3.2 mm	3.2 x 5.0 mm	5.0 x 7.0 mm

Ultra Low Current, High Temperature XO's



Product Line	Q158x / Q159x
Frequency	32.768kHz
Stability	±150 to ±250ppm
Temperature Range	-55°C to 200°C
Current (max)	0.7mA
Crystal Mount	2-point or 4-point
Screening	MIL-PRF-55310, Level B available
Supply Voltage (Vdc)	2.5, 3.3
Output	CMOS
Size	SMT or Thru-Hole (see specs)

High Shock, High Temperature XO's



Product Line	Custom
Frequency	1 to 100MHz
Stability	±175 to ±450ppm
Temperature Range	-55°C to 225°C
Shock (half sine, 0.1ms)	10,000 G (standard) / 20,000 G (optional)
Crystal Mount	2-point (standard) / 4-point (optional)
Screening	MIL-PRF-55310, Level B available
Supply Voltage (Vdc)	1.8, 2.5, 3.3, 5.0
Output	CMOS, TTL
Size	SMT: 5x7, 7x9, 9x14 mm / Thru-Hole (see specs)