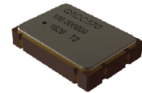
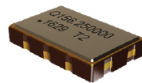
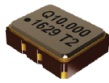


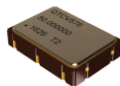
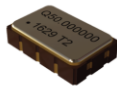
Crystal Oscillators for Military Applications

Crystal Oscillators (XOs)



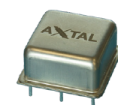
Product Line	QTC230	QTC350	QTC356/58	QTC353	QTC570	QTC576/78
Frequency	32.768kHz, 1.5 - 133MHz	32.768kHz, 1.5 - 133MHz	25 - 250MHz / 100 - 250MHz	25 - 250MHz	1.544 - 190MHz	25 - 250MHz / 100 - 250MHz
Stability	±25 to ±100ppm		±12 to ±100ppm			
Temperature Range	-55°C to 125°C					
Shock (G)	20,000			28,000	20,000	
Crystal Mount	2-point			3-point	2-point	2-point
Screening	MIL-PRF-53310, Level B available					
Supply Voltage (Vdc)	1.8, 2.5, 3.3	1.8, 2.5, 3.3, 5.0	1.8, 2.5, 3.3	1.8, 2.5, 3.3	1.8, 2.5, 3.3, 5.0	1.8, 2.5, 3.3
Output	CMOS	CMOS	LVPECL, LVDS		CMOS	LVPECL, LVDS
Size	2.5 x 3.2 x 1.15 mm	3.2 x 5.0 x 1.2 mm			5.0 x 7.0 x 1.4 mm	5.0 x 7.0 x 1.5 mm

Voltage Controlled Crystal Oscillators (VCXOs)



Product Line	QTCV356	QTCV576
Frequency	1 - 156.250MHz	
APR	±30 to ±100ppm	
Temperature Range	-40°C to 85°C	
Shock (G)	Per MIL-STD-202, Method 213, Cond. I	
Crystal Mount	2-point	
Screening	MIL-PRF-53310, Level B available	
Supply Voltage (Vdc)	3.3, 5.0	
Logic	CMOS, LVPECL	
Size	3.2 x 5 x 1.2 mm	5.0 x 7.0 x 1.5 mm

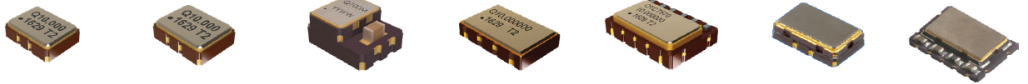
Oven Controlled Crystal Oscillators (OCXOs)



Product Line	AXIOM70/75(ULN)	AXIOM5050(ULN)
Frequency	10 - 160MHz	50 - 160MHz
Stability	±10 to ±50ppb	±100ppb
Temperature Range	40°C to 85°C	
Shock (G)	Per MIL-STD-202, Method 213, Cond. F	
Crystal Mount	4-point	
Screening	IEC60679-1 and MIL-PRF-55310	
Supply Voltage (Vdc)	5.0, 12	12
Output	HCMOS, Sine Wave	
Size	25.8 x 25.8 x 12.7 mm	50 x 50 x 21 mm

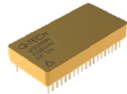
Crystal Oscillators for Military Applications

Temperature Compensated Crystal Oscillators (TCXOs)



Product Line	QTCT220	QTCT230	QTCT236	QTCT350	QTCT570	AXLE5032	AXLE7050
Frequency	10 - 52MHz	10 - 45MHz	10 - 1500MHz	10 - 52MHz	5 - 52MHz	10 - 52MHz	
Stability	±0.5 to ±2.5ppm					±0.5 to ±3.0ppm	
Temperature Range	-40°C to 85°C						
Shock, non-operating	Per MIL-STD-202, Method 213, Cond. I						
Crystal Mount	2-point						
Screening	MIL-PRF-53310, Level B available						
Supply Voltage (Vdc)	2.8, 3.0, 3.3		2.5, 3.3	2.8, 3.0, 3.3, 5.0	2.8, 3.0, 3.3	3.3	
Output	Clipped Sine Wave		CMOS, LVDS, LVPECL	CMOS, Clipped Sine Waved			
Size	2.0 x 2.5 x 0.7 mm	2.5 x 3.2 x 0.9 mm	2.5 x 3.2 x 1.6 mm	3.2 x 5.0 x 1.1 mm	5.0 x 7.0 x 1.9 mm	5.0 x 3.2 x 1.7 mm	5.5 x 7.0 x 1.8 mm

Microcomputer-Compensated Crystal Oscillators (MCXOs)



Product Line	QT2010
Frequency	5 - 80Mz
Stability	±5 to ±30ppb
Temperature Range	-40°C to 85°C
Crystal mount	4-point
Screening	MIL-PRF-55310
Supply Voltage (Vdc)	3.3
Output	Sine Wave
Size	1 x 2 x 0.33 in

Surface Acoustic Wave Oscillators (SAWs)



Product Line	AXPS10	AXPS20
Frequency (MHz)	500MHz - 1.6GHz	
Stability	±350ppm	
Temperature Range	-40°C to 85°C	
Shock (G)	Per MIL-STD-202, Method 213, Cond. F	
Screening	IEC60679-1 and MIL-PRF-55310	
Supply Voltage (Vdc)	3.3, 5.0	
Output	Sine Wave	
Size	20.3 x 13 x 5.7 mm	20.7 x 13.1 x 5.2 mm