

CTS Clock Oscillators and Crystals



RoHS Compliant This product is RoHS compliant.

CTS TC SERIES REAL TIME CLOCK OSCILLATORS

- Features:**
- Fundamental Crystal Design
 - Frequency Stability, ± 50 ppm Standard
 - Operating Temperature, -40°C to $+85^{\circ}\text{C}$ Standard
 - Hermetic Ceramic Package
 - $+1.5\text{Vdc}$, $+1.8\text{Vdc}$, $+2.5\text{Vdc}$, $+3.3\text{Vdc}$ operation
 - Tape & Reel Packaging, EAI-418
 - For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	500	1000
2.5mm x 2.0mm									
774-TC25L5I32K7680	TC25L5I32K7680	A	32.768	3.37	2.95	2.53	2.32	2.11	1.68
774-TC25N5I32K7680	TC25N5I32K7680	A	32.768	3.37	2.95	2.53	2.32	2.11	1.68
774-TC25M5I32K7680	TC25M5I32K7680	A	32.768	3.37	2.95	2.53	2.32	2.11	1.68
3.2mm x 2.5mm									
774-TC32L5I32K7680	TC32L5I32K7680	B	32.768	3.30	2.88	2.47	2.27	2.06	1.65
774-TC32N5I32K7680	TC32N5I32K7680	B	32.768	3.30	2.88	2.47	2.27	2.06	1.65
774-TC32M5I32K7680	TC32M5I32K7680	B	32.768	3.30	2.88	2.47	2.27	2.06	1.65
5.0mm x 3.2mm									
774-TC50L5I32K7680	TC50L5I32K7680	C	32.768	3.51	3.07	2.63	2.41	2.20	1.76
7.0mm x 5.0mm									
774-TC70L5I32K7680	TC70L5I32K7680	D	32.768	3.73	3.26	2.80	2.56	2.33	1.86

CTS MODEL 636 SMD HCMOS/TTL CLOCK OSCILLATORS (5.0X3.2X1.3)

Ceramic packaged clock oscillator offering reduced size and enhanced stability.

- Features:**
- Standard 5.0x3.2mm surface mount footprint
 - Operating temperature: -20°C to $+70^{\circ}\text{C}$
 - Output enable standard
 - HCMOS/TTL compatible
 - Frequency stability: ± 50 ppm standard
 - Fundamental and 3rd overtone crystals
 - $+3.3\text{VDC}$ operation
 - Frequency range: 1.0 - 125MHz
 - For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each			
				1	10	100	500
774-636L3C014M7	636L3C014M74560	E	14.74560	3.50	3.00	2.50	2.00
774-636L3C016M0	636L3C016M00000	E	16.00000	3.50	3.00	2.50	2.00
774-636L3C016M3	636L3C016M38400	E	16.38400	3.50	3.00	2.50	2.00
774-636L3C018M4	636L3C018M43200	E	18.43200	3.50	3.00	2.50	2.00
774-636L3C020M0	636L3C020M00000	E	20.00000	3.50	3.00	2.50	2.00
774-636L3C020M4	636L3C020M48000	E	20.48000	3.50	3.00	2.50	2.00
774-636L3C024M0	636L3C024M00000	E	24.00000	3.50	3.00	2.50	2.00
774-636L3C025M0	636L3C025M00000	E	25.00000	3.50	3.00	2.50	2.00
774-636L3C032M7	636L3C032M76800	E	32.76800	3.50	3.00	2.50	2.00
774-636L3C033M0	636L3C033M00000	E	33.00000	3.50	3.00	2.50	2.00
774-636L3C044M0	636L3C044M00000	E	44.00000	3.50	3.00	2.50	2.00
774-636L3C048M0	636L3C048M00000	E	48.00000	3.50	3.00	2.50	2.00

CTS MODEL 357 SMD VOLTAGE CONTROLLED CRYSTAL OSCILLATORS (VCXO) (7X5X2)

Ceramic packaged voltage controlled oscillator offering reduced size and enhanced stability.

- Features:**
- Standard 7x5mm surface mount footprint
 - Frequency stability: ± 50 ppm standard
 - $+3.3\text{VDC}$ operation
 - Output enable standard
 - HCMOS/TTL compatible output
 - APR: ± 50 ppm standard
 - Operating temperature: -40°C to $+85^{\circ}\text{C}$
 - Low phase jitter, NON-multiplied
 - Frequency range: 1.5-77.76MHz
 - For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	1	10	100	500
774-357LB3I027M0	357LB3I027M0000	F	27.00000	6.86	5.49	4.58	3.04

CTS MXO45 AND MXO45HS SERIES THRU HOLE CLOCK OSCILLATORS

The MXO45/MXO45HS are DIP packaged clock oscillators offering reliable performance at an economical cost.

- Features:**
- Standard 14 pin or 8 pin DIP footprint
 - Frequency range: 1.0-105.561MHz
 - Operating temperature: 20°C to $+70^{\circ}\text{C}$
 - HCMOS/TTL compatible
 - Frequency stability: ± 50 ppm standard
 - Output enable option
 - Fundamental and 3rd overtone crystals
 - $+5.0\text{VDC}$ operation
 - For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each		
				1	10	100
Standard						
774-MXO45-3C-1.0	MXO45-3C-1M0000	G	1.00000	2.94	2.14	1.82
774-MXO45-3C-3.6	MXO45-3C-3M6864	G	3.68640	2.94	2.14	1.82
774-MXO45-3C-4.0	MXO45-3C-4M0000	G	4.00000	2.94	2.14	1.82
774-MXO45-3C-10.0	MXO45-3C-10M0000	G	10.00000	2.94	2.14	1.82
774-MXO45-3C-12.0	MXO45-3C-12M0000	G	12.00000	2.94	2.14	1.82
774-MXO45-3C-16.0	MXO45-3C-16M0000	G	16.00000	2.94	2.14	1.82
774-MXO45-3C-20.0	MXO45-3C-20M0000	G	20.00000	2.94	2.14	1.82
774-MXO45-3C-24.0	MXO45-3C-24M0000	G	24.00000	2.94	2.14	1.82
774-MXO45-3C-40.0	MXO45-3C-40M0000	G	40.00000	2.94	2.14	1.82
774-MXO45-3C-50.0	MXO45-3C-50M0000	G	50.00000	2.94	2.14	1.82
Tri-State						
774-MXO45T-3C-1.0	MXO45T-3C-1M0000	G	1.00000	2.78	2.46	2.19
774-MXO45T-3C-3.6	MXO45T-3C-3M6864	G	3.68640	2.78	2.46	2.19
774-MXO45T-3C-4.0	MXO45T-3C-4M0000	G	4.00000	2.78	2.46	2.19
774-MXO45T-3C-10.0	MXO45T-3C-10M0000	G	10.00000	2.78	2.46	2.19
774-MXO45T-3C-12.0	MXO45T-3C-12M0000	G	12.00000	2.78	2.46	2.19
774-MXO45T-3C-16.0	MXO45T-3C-16M0000	G	16.00000	2.78	2.46	2.19
774-MXO45T-3C-20.0	MXO45T-3C-20M0000	G	20.00000	2.78	2.46	2.19
774-MXO45T-3C-24.0	MXO45T-3C-24M0000	G	24.00000	2.78	2.46	2.19
774-MXO45T-3C-40.0	MXO45T-3C-40M0000	G	40.00000	2.78	2.46	2.19
774-MXO45T-3C-50.0	MXO45T-3C-50M0000	G	50.00000	2.78	2.46	2.19

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each		
				1	10	100
Standard						
774-MXO45HS-3C-1.0	MXO45HS-3C-1M0000	H	1.00000	2.78	2.46	2.19
774-MXO45HS-3C-3.6	MXO45HS-3C-3M6864	H	3.68640	2.78	2.46	2.19
774-MXO45HS-3C-4.0	MXO45HS-3C-4M0000	H	4.00000	2.78	2.46	2.19
774-MXO45HS-3C-10.0	MXO45HS-3C-10M0000	H	10.00000	2.78	2.46	2.19
774-MXO45HS-3C-12.0	MXO45HS-3C-12M0000	H	12.00000	2.78	2.46	2.19
774-MXO45HS-3C-16.0	MXO45HS-3C-16M0000	H	16.00000	2.78	2.46	2.19
774-MXO45HS-3C-20.0	MXO45HS-3C-20M0000	H	20.00000	2.78	2.46	2.19
774-MXO45HS-3C-24.0	MXO45HS-3C-24M0000	H	24.00000	2.78	2.46	2.19
774-MXO45HS-3C-40.0	MXO45HS-3C-40M0000	H	40.00000	2.78	2.46	2.19
774-MXO45HS-3C-50.0	MXO45HS-3C-50M0000	H	50.00000	2.78	2.46	2.19

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each		
				1	10	100
Standard						
774-MXO45HST-3C-1.0	MXO45HST-3C-1M0000	H	1.00000	2.78	2.46	2.19
774-MXO45HST-3C-3.6	MXO45HST-3C-3M6864	H	3.68640	2.78	2.46	2.19
774-MXO45HST-3C-4.0	MXO45HST-3C-4M0000	H	4.00000	2.78	2.46	2.19
774-MXO45HST-3C-10.0	MXO45HST-3C-10M0000	H	10.00000	2.78	2.46	2.19
774-MXO45HST-3C-12.0	MXO45HST-3C-12M0000	H	12.00000	2.78	2.46	2.19
774-MXO45HST-3C-16.0	MXO45HST-3C-16M0000	H	16.00000	2.78	2.46	2.19
774-MXO45HST-3C-20.0	MXO45HST-3C-20M0000	H	20.00000	2.78	2.46	2.19
774-MXO45HST-3C-24.0	MXO45HST-3C-24M0000	H	24.00000	2.78	2.46	2.19
774-MXO45HST-3C-40.0	MXO45HST-3C-40M0000	H	40.00000	2.78	2.46	2.19
774-MXO45HST-3C-50.0	MXO45HST-3C-50M0000	H	50.00000	2.78	2.46	2.19

