

CTS Crystals, Clock Oscillators and Tuning Forks



RoHS Compliant This product is RoHS compliant.

CTS 445 SMD QUARTZ CRYSTALS

- Features:**
- Standard 5.0mm x 3.2mm Glass Seal Package
 - Fundamental Crystal Design
 - Low Cost
 - Wide range of applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each				
				1	10	100	500	1000
-20°C to +70°C								
774-445C25D12M00000	445C25D12M00000	A	12.00000	.87	.771	.636	.58	.448
774-445C25D14M31818	445C25D14M31818	A	14.31818	.87	.771	.636	.58	.448
774-445C25D20M00000	445C25D20M00000	A	20.00000	.87	.771	.636	.58	.448
774-445C25D24M00000	445C25D24M00000	A	24.00000	.87	.771	.636	.58	.448
774-445C25D24M57600	445C25D24M57600	A	24.57600	.87	.771	.636	.58	.448
774-445C25D25M00000	445C25D25M00000	A	25.00000	.87	.771	.636	.58	.448
774-445C25D27M00000	445C25D27M00000	A	27.00000	.87	.771	.636	.58	.448
774-445C25D30M00000	445C25D30M00000	A	30.00000	.87	.771	.636	.58	.448
-40°C to +85°C								
774-445I23D14M31818	445I23D14M31818	A	14.31818	.93	.824	.68	.62	.479
774-445I23D20M00000	445I23D20M00000	A	20.00000	.93	.824	.68	.62	.479
774-445I23D24M00000	445I23D24M00000	A	24.00000	.93	.824	.68	.62	.479
774-445I23D24M57600	445I23D24M57600	A	24.57600	.93	.824	.68	.62	.479
774-445I23D25M00000	445I23D25M00000	A	25.00000	.93	.824	.68	.62	.479
774-445I23D27M00000	445I23D27M00000	A	27.00000	.93	.824	.68	.62	.479
774-445I23D30M00000	445I23D30M00000	A	30.00000	.93	.824	.68	.62	.479

CTS ATS-SM SMD QUARTZ CRYSTALS HC49SM (12.3X4.83X4.3)

- Features:**
- Stable frequency over temperature and drive level
 - Operating temperature: -20°C to +70°C
 - Frequency range: 3.5 - 60MHz
 - Frequency tolerance: ±30ppm standard
 - Frequency stability: ±50ppm standard
 - Fundamental and 3rd overtone crystals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each			
				1	10	50	100
774-ATS040SM-1	ATS040SM-1	B	4.00000	.49	.41	.39	.33
774-ATS08ASM-1	ATS08ASM-1	B	8.00000	.61	.51	.46	.41
774-ATS100SM-1	ATS100SM-1	B	10.00000	.49	.41	.39	.33
774-ATS120SM-1	ATS120SM-1	B	12.00000	.49	.41	.39	.33
774-ATS160SM-1	ATS160SM-1	B	16.00000	.49	.41	.39	.33
774-ATS18ASM-1	ATS18ASM-1	B	18.00000	.39	.349	.299	.269
774-ATS200SM-1	ATS200SM-1	B	20.00000	.49	.41	.39	.33

CTS MP SERIES THRU HOLE QUARTZ CRYSTALS HC49U (13.46X10.85X3.8)

- Features:**
- Stable frequency over temperature and drive level
 - Operating temperature: -20°C to +70°C
 - Frequency range: 1.8 - 48MHz
 - Frequency tolerance: ±45ppm standard
 - Frequency stability: ±50ppm standard
 - Fundamental and 3rd overtone crystals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Freq. (MHz)	Price Each				MOUSER STOCK NO.	CTS Part No.	Fig.	Freq. (MHz)	Price Each			
				1	10	100	250					1	10	100	250
774-MP018S	MP018S	C	1.84320	1.76	1.47	1.07	.92	774-MP098	MP098	C	9.00000	.72	.60	.44	.38
774-MP037	MP037	C	3.68640	.72	.60	.44	.38	774-MP100	MP100	C	10.00000	.72	.60	.44	.38
774-MP040	MP040	C	4.00000	.72	.60	.44	.38	774-MP101	MP101	C	10.00000	.72	.60	.44	.38
774-MP04A	MP04A	C	4.00000	.72	.60	.44	.38	774-MP111	MP111	C	11.05920	.72	.60	.44	.38
774-MP041	MP041	C	4.1943	.72	.60	.44	.38	774-MP120	MP120	C	12.00000	.72	.60	.44	.38
774-MP060	MP060	C	6.00000	.72	.60	.44	.38	774-MP122	MP122	C	12.28800	.72	.60	.44	.38
774-MP073	MP073	C	7.3728	.72	.60	.44	.38	774-MP184	MP184	C	18.43200	.72	.60	.44	.38
774-MP080A	MP080A	C	8.00000	.84	.63	.50	.392	774-MP200	MP200	C	20.00000	.72	.60	.44	.38

CTS CB3 AND CB3LV SERIES SMD HCMOS/TTL CLOCK OSCILLATORS (7.0X5.0X1.8)

- Features:**
- Standard 7.0x5.0mm surface mount footprint
 - HCMOS/TTL compatible
 - +3.3VDC (CB3LV) or +5.0VDC (CB3) operation
 - Operating temperature: -20°C to +70°C
 - Frequency Range: 1.5 - 160MHz
 - Frequency Stability: ±50ppm standard

For quantities greater than listed, call for quote.

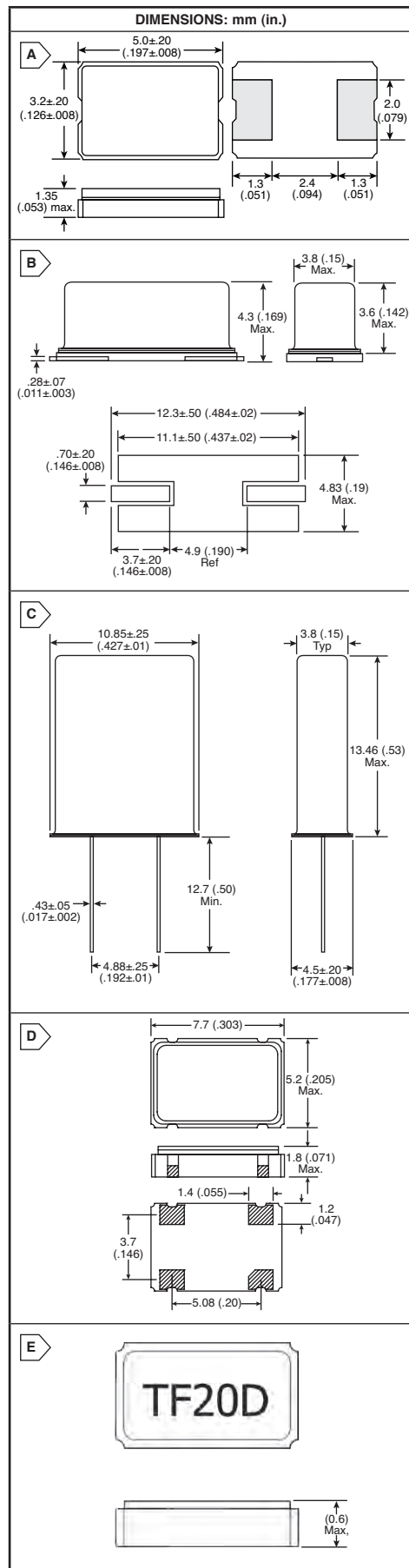
MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each			
				1	10	50	100
5.0VDC							
774-CB3-3C-3M6	CB3-3C-3M686400	D	3.68640	2.94	2.55	1.96	1.37
774-CB3-3C-4M0	CB3-3C-4M000000	D	4.00000	2.94	2.55	1.96	1.37
774-CB3-3C-10M0	CB3-3C-10M000000	D	10.00000	2.94	2.55	1.96	1.37
774-CB3-3C-14M3	CB3-3C-14M318180	D	14.31818	2.94	2.55	1.96	1.37
774-CB3-3C-16M0	CB3-3C-16M000000	D	16.00000	2.94	2.55	1.96	1.37
774-CB3-3C-20M0	CB3-3C-20M000000	D	20.00000	2.94	2.55	1.96	1.37
774-CB3-3C-25M0	CB3-3C-25M000000	D	25.00000	2.94	2.55	1.96	1.37
774-CB3-3C-29M4	CB3-3C-29M491200	D	29.49120	2.94	2.55	1.96	1.37
774-CB3-3C-32M0	CB3-3C-32M000000	D	32.00000	2.94	2.55	1.96	1.37
774-CB3-3C-33M3	CB3-3C-33M333000	D	33.33300	2.94	2.55	1.96	1.37
774-CB3-3C-40M0	CB3-3C-40M000000	D	40.00000	2.94	2.55	1.96	1.37
774-CB3-3C-50M0	CB3-3C-50M000000	D	50.00000	2.94	2.55	1.96	1.37
774-CB3-3C-66M6	CB3-3C-66M666600	D	66.66660	2.98	2.58	2.26	1.78
774-CB3-3C-80M0	CB3-3C-80M000000	D	80.00000	3.16	2.73	2.39	1.89
3.3VDC							
774-CB3LV-3C-3M6	CB3LV-3C-3M686400	D	3.68640	2.94	2.55	1.96	1.37
774-CB3LV-3C-10M0	CB3LV-3C-10M000000	D	10.00000	2.94	2.55	1.96	1.37
774-CB3LV-3C-20M0	CB3LV-3C-20M000000	D	20.00000	2.94	2.55	1.96	1.37
774-CB3LV-3C-25M0	CB3LV-3C-25M000000	D	25.00000	2.94	2.55	1.96	1.37
774-CB3LV-3C-32M0	CB3LV-3C-32M000000	D	32.00000	2.94	2.55	1.96	1.37
774-CB3LV-3C-33M3	CB3LV-3C-33M333000	D	33.33300	2.94	2.55	1.96	1.37
774-CB3LV-3C-40M0	CB3LV-3C-40M000000	D	40.00000	2.94	2.55	1.96	1.37
774-CB3LV-3C-50M0	CB3LV-3C-50M000000	D	50.00000	2.94	2.55	1.96	1.37
774-CB3LV-3C-66M6	CB3LV-3C-66M666600	D	66.66660	2.94	2.55	1.96	1.37
774-CB3LV-3C-80M0	CB3LV-3C-80M000000	D	80.00000	2.99	2.61	2.11	1.68

CTS TF SERIES TUNING FORK CRYSTALS

- Features:**
- Hermetic Ceramic Package
 - Frequency Tolerance, ±20pp, Standard
 - Frequency Temperature Coefficient, -0.03ppm/°C2
 - Operating Temperature, -40°C to +85°C Standard

For quantities greater than listed, call for quote.

2.0mm x 1.2mm		Fig.	Frequency (MHz)	Price Each			
MOUSER STOCK NO.	CTS Part No.			1	10	1.28	1.14
774-TF202P32K7680	TF202P32K7680	E	32.768	1.71	1.43	1.28	1.14
3.2mm x 1.5mm							
774-TF322P32K7680	TF322P32K7680	E	32.768	1.34	1.12	1.01	.90



Frequency Control

CTS

