

Surface Mount Crystal



This part is an ultra miniature package with size of 6.0 x 3.5 x 1.0 mm. With its ceramic base and metal cover it provides the durability and reliability necessary for strenuous process like infrared and vapor phase reflow.

FEATURES

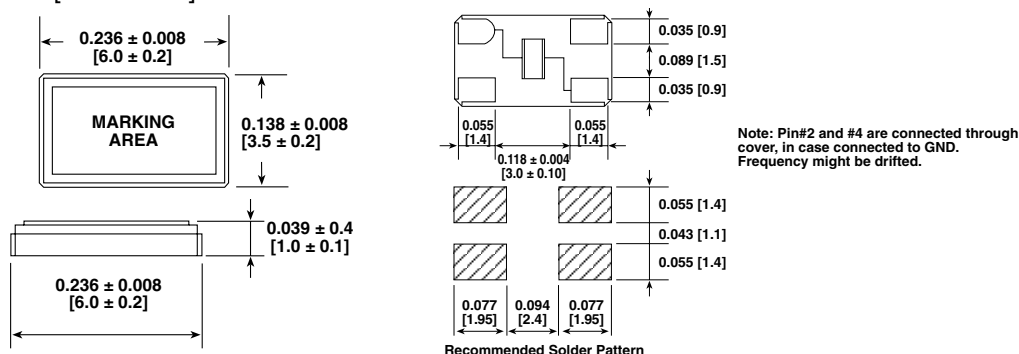
- Ultra-miniature size
- Wide frequency range
- Seam sealing
- Ceramic package
- Emboss tapping
- Reflow soldering
- 100 % Lead (Pb)-free and RoHS compliant



STANDARD ELECTRICAL SPECIFICATIONS						
PARAMETER	SYMBOL	CONDITION	UNIT	MIN	TYPICAL	MAX
Frequency Range	F_O		MHz	10.000		80.000
Frequency Tolerance	$\Delta F/F_O$	at 25 °C	ppm	± 10	± 30	± 50
Temperature Stability	TC	ref to 25 °C	ppm	± 10	± 30	± 50
Operating Temperature Range	T_{OPR}		°C	- 10		+ 60
Storing Temperature Range	T_{STG}		°C	- 40		+ 85
Shunt Capacitance	C_O		pF			7
Load Capacitance	CL	Customer Specified	pF	10		Series
Insulator Resistance	IR	100 V_{DC}	$M\Omega$	500		
Drive Level	DL		μW		100	300
Aging	Fa	at 25 °C, per year	ppm	- 5.0		+ 5.0

EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF VIBRATION (MODE)		
FREQUENCY RANGE (MHz)	MAX ESR (Ω)	MODE
10.000 to 15.999	60	Fundamental
16.000 to 39.999	40	Fundamental
40.000 to 80.000	70	3 rd Overtone

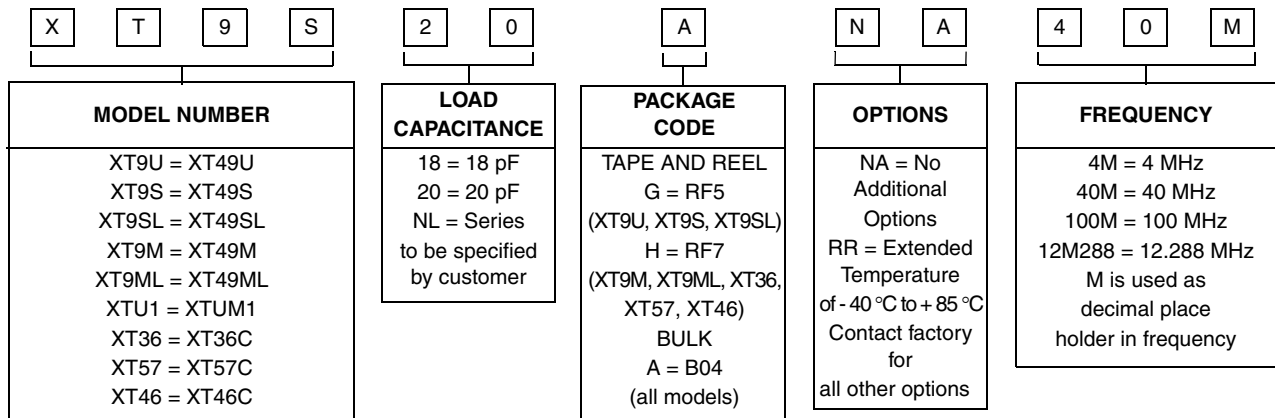
DIMENSIONS in inches [millimeters]



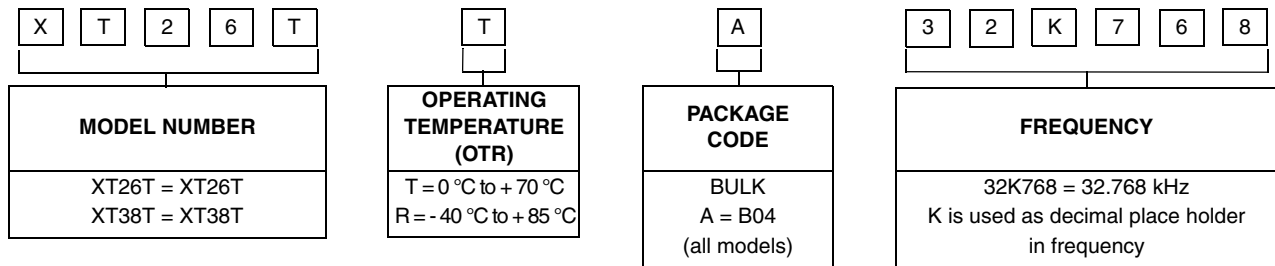
ORDERING INFORMATION			
XT46C MODEL	- 20 LOAD Blank = Series - 20 = 20 pF Standard - 32 = 32 pF	25 M FREQUENCY/MHz	e4 JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER			
X	T	4	6
MODEL		2	0
		LOAD	
		A	
		PACKAGE CODE	
		2	5
		FREQUENCY	
			M

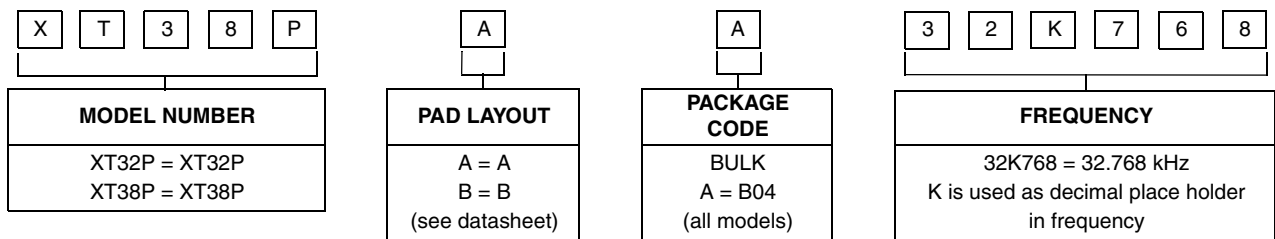
GLOBAL PART NUMBERING



Example: XT49S-20 40M



Example: XT26T 32.768K



Example: XT38PA 32.768K



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