

Quartz Crystals



The XT57C is a miniature SMD crystal with 7.0 x 5.0 ceramic package and a height of 1.1 mm max. 9.8304 MHz to 100 MHz frequency makes it widely applied in notebook computer, PCMCIA and communication equipment.

FEATURES

- Miniature size
- 1.1 mm height
- Wide frequency range
- Seam sealing
- Emboss taping
- 100 % Lead (Pb)-free and RoHS compliant


RoHS
COMPLIANT

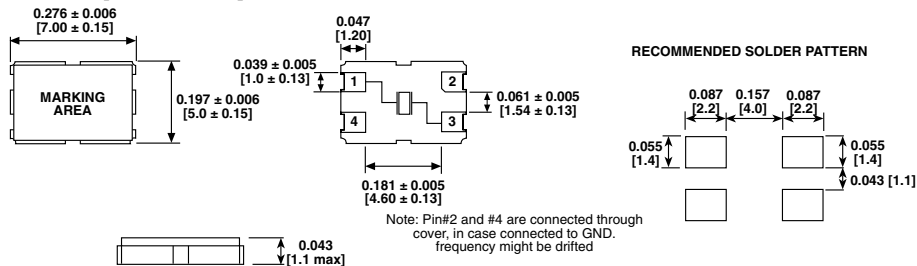
STANDARD ELECTRICAL SPECIFICATIONS

PARAMETER	SYMBOL	CONDITION	UNIT	MIN	TYPICAL	MAX
Frequency Range	F_o		MHz	9.8304		100.000
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
Storage 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}	MΩ	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
9.8304 to 15.999	60	Fundamental
16.000 to 39.999	40	Fundamental
40.000 to 83.999	60	3 rd Overtone
84.000 to 100.000	80	3 rd Overtone

DIMENSIONS in inches [millimeters]



ORDERING INFORMATION

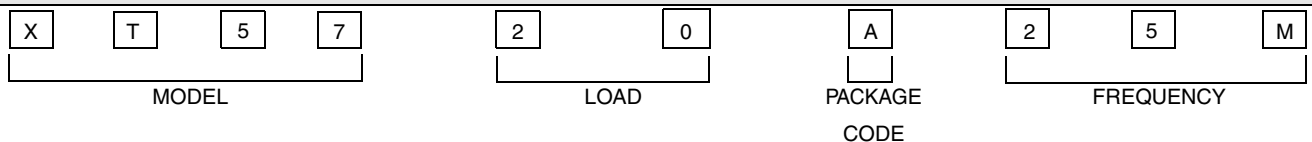
XT57C
MODEL

-20
LOAD
Blank = Series
20 = 20 pF
32 = 32 pF
16 = 16 pF

2 M
FREQUENCY/MHz

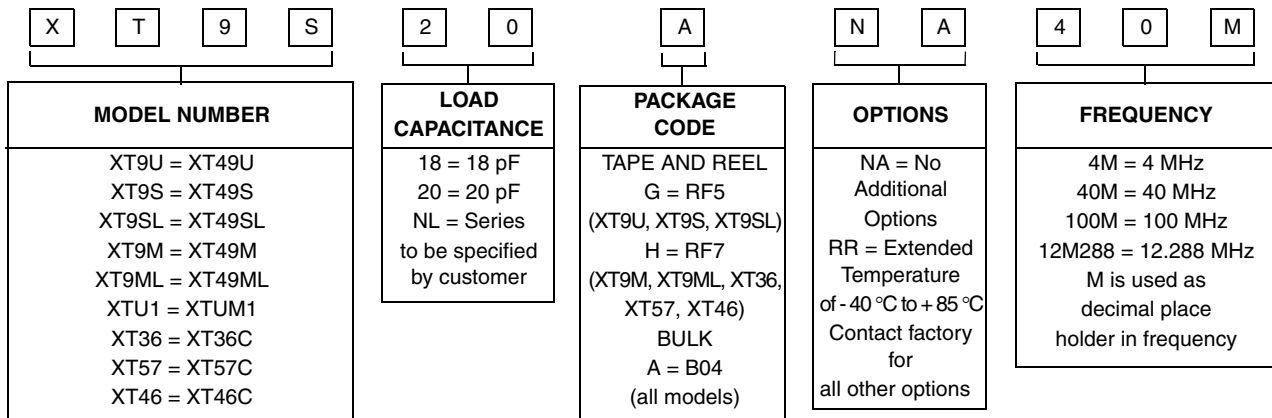
e4
JEDEC LEAD (Pb)-FREE
STANDARD

GLOBAL PART NUMBER

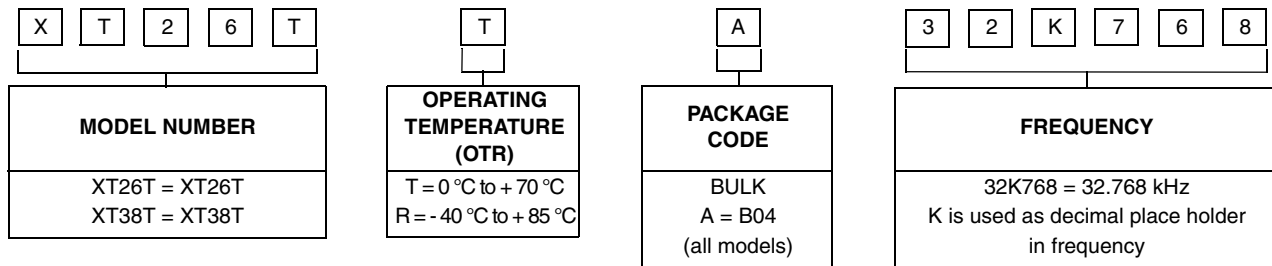




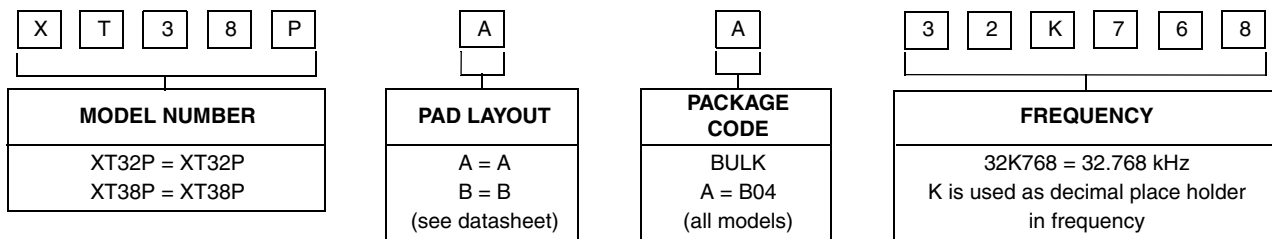
GLOBAL PART NUMBERING



Example: XT49S-20 40M



Example: XT26T 32.768K



Example: XT38PA 32.768K



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