

Surface Mount Crystal



This XT36C part is a miniature SMD crystal with 8.0 x 4.5 ceramic package and a height of 1.6 mm max. It is widely applied in notebook computer, PCMCIA and communication equipment.

FEATURES

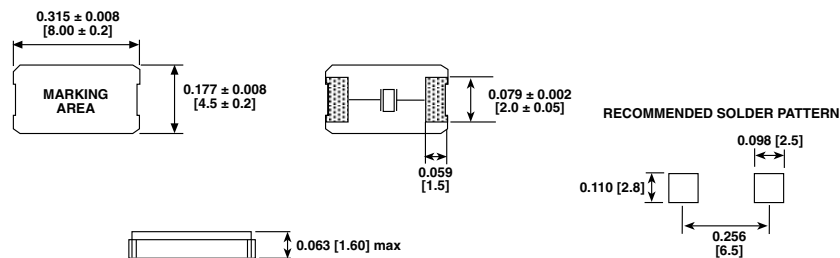
- Miniature size
- Wide frequency range
- Glass sealing
- Emboss tapping
- Lead (Pb)-free terminations and RoHS compliant



STANDARD ELECTRICAL SPECIFICATIONS						
PARAMETER	SYMBOL	CONDITION	UNIT	MIN	TYPICAL	MAX
Frequency Range	F _O		MHz	10.000		80.000
Frequency Tolerance	ΔF/F _O	at 25 °C	ppm	± 30	± 50	± 100
Temperature Stability	TC	ref to 25 °C	ppm	± 30	± 50	± 100
Operating Temperature Range	T _{OPR}		°C	- 10		+ 70
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

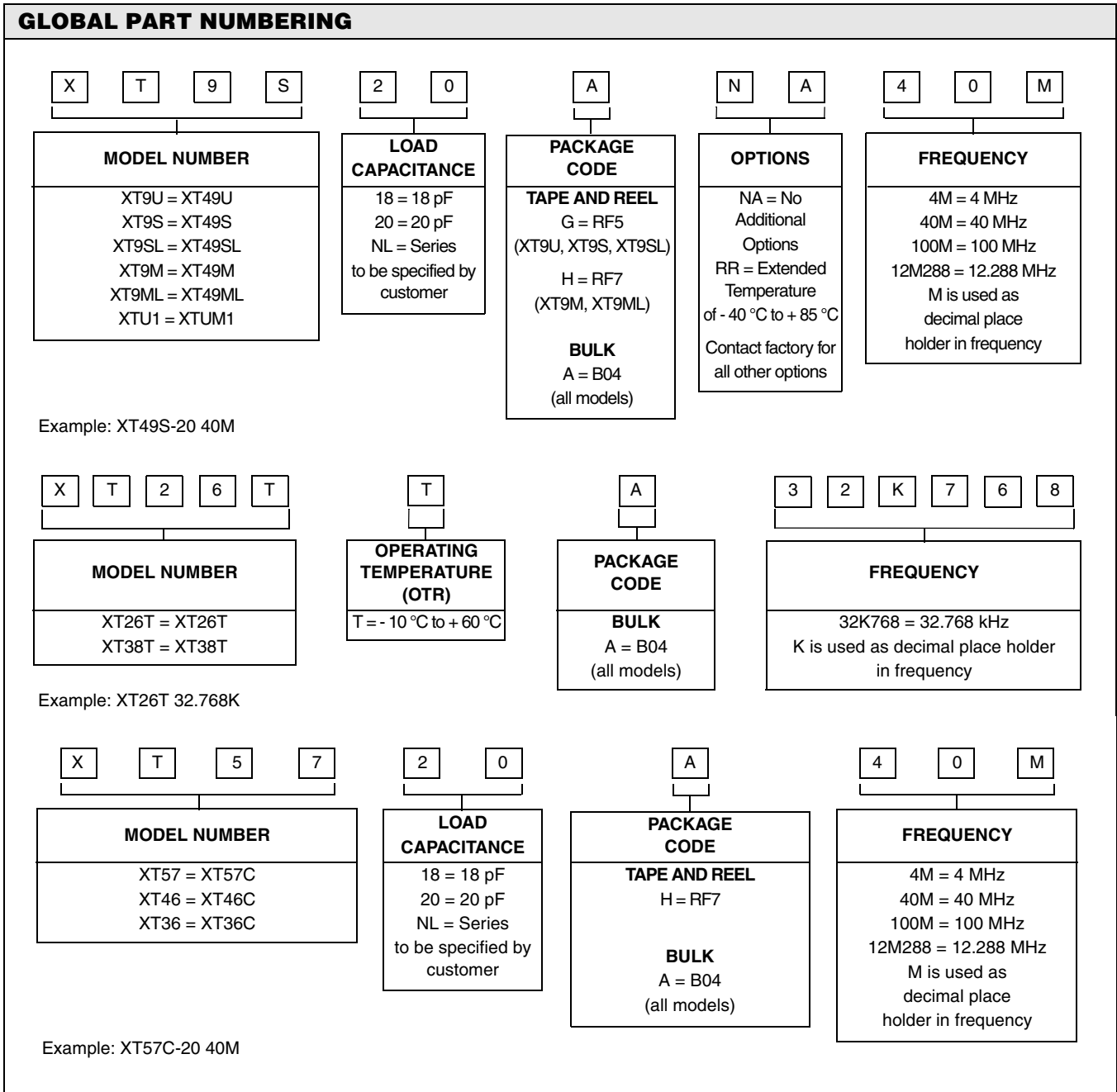
EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF VIBRATION (MODE)		
FREQUENCY RANGE (MHz)	MAX ESR (Ω)	MODE
10.000 to 11.999	80	Fundamental
12.000 to 39.999	50	Fundamental
40.000 to 80.000	70	3 rd Overtone

DIMENSIONS in inches [millimeters]



ORDERING INFORMATION			
XT36C MODEL	- 20 LOAD Blank = Series 12 = 12 pF 16 = 16 pF 20 = 20 pF 32 = 32 pF	24 M FREQUENCY/MHz	e4 JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER			
X	T	3	6
MODEL		2	0
		LOAD	
		A	
		PACKAGE CODE	
		2	4
		FREQUENCY	
			M





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