



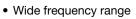
Surface Mount Crystal



The XT36C part is a miniature SMD crystal with 8.0 x 4.5 ceramic package and a height of 1.8 mm maximum. It is widely applied in notebook computer, PCMCIA, and communication equipment.

FEATURES

• Miniature size: 8.0 x 4.5 x 1.8 (mm)



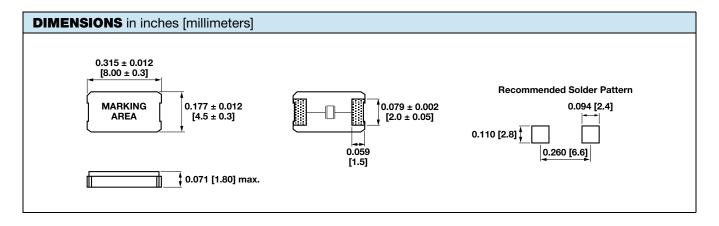
- · Glass sealing
- · Emboss taping
- Compliant to RoHS directive 2002/95/EC



COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS						
PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Frequency range	F _O		MHz	10.000	-	70.000
Frequency tolerance	ΔF/F _O	at 25 °C	ppm	-	± 50	-
Temperature stability	T _C	ref. to 25 °C	ppm	-	± 50	-
Operating temperature range	T _{OPR}		°C	- 10	-	+ 60
Storage temperature range	T _{STG}		°C	- 55	-	+ 125
Shunt capacitance	C ₀		pF	-	-	7
Load capacitance	C _L	customer specified	pF	10	-	series
Insulation resistance	I _R	100 V _{DC}	MΩ	500	-	-
Drive level	D_L		μW	-	10	500
Aging	Fa	at 25 °C, per year	ppm	- 5	-	+ 5

EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF VIBRATION (MODE)						
FREQUENCY RANGE (MHz)	MAX. ESR (Ω)	MODE	FREQUENCY RANGE (MHz)	MAX. ESR (Ω)	MODE	
10.000 to 10.999	110	fundamental	20.000 to 31.999	25	fundamental	
11.000 to 14.099	50	fundamental	32.000 to 47.999	110	3 rd overtone	
14.100 to 17.999	45	fundamental	48.000 to 70.000	100	3 rd overtone	
18.000 to 19.999	30	fundamental				



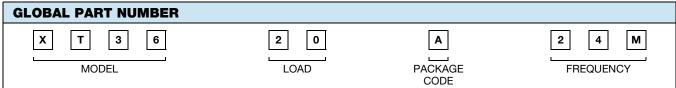
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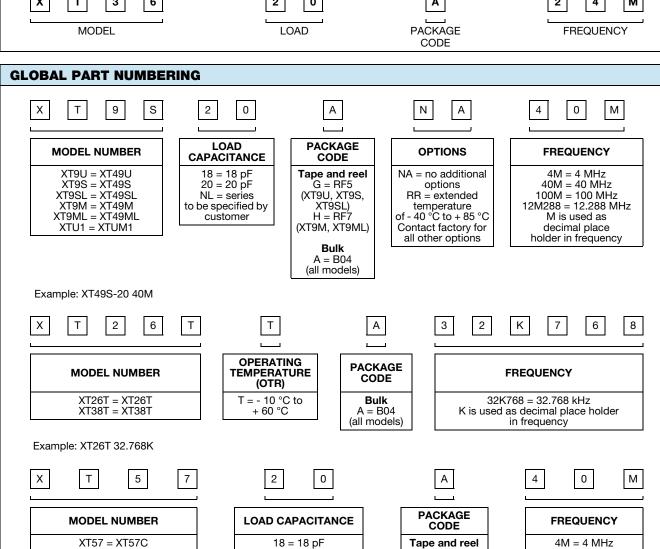
Vishay Dale

Surface Mount Crystal



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





L
MODEL NUMBER
XT57 = XT57C XT46 = XT46C XT36 = XT36C

Example: XT57C-20 40M

NL = series to be specified by **Bulk** customer A = B04(all models)

40M = 40 MHz100M = 100 MHz12M288 = 12.288 MHz M is used as decimal place holder in frequency

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