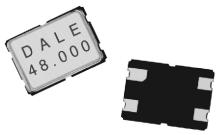
Vishay Dale



Quartz Crystals



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

FEATURES

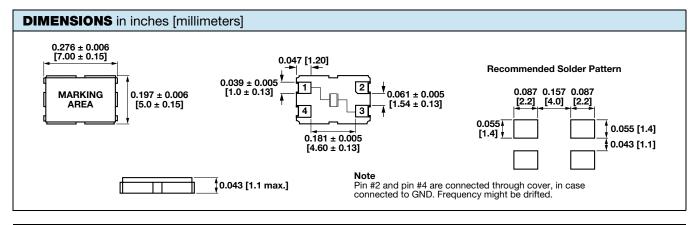
- Miniature size: 7.0 x 5.0 x 1.1 (mm)
- Wide frequency range
- · Seam sealing
- · Emboss taping
- Compliant to RoHS directive 2002/95/EC



RoHS

STANDARD ELECTRICAL SPECIFICATIONS						
PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Frequency range	F _O		MHz	9.8304	-	100.000
Frequency tolerance	ΔF/F _O	at 25 °C	ppm	± 10	± 30	± 50
Temperature stability	T _C	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 ₀		pF	-	-	7
Load capacitance	C _L	customer specified	pF	10	-	series
Insulation resistance	I _R	100 V _{DC}	ΜΩ	500	-	-
Drive level	D_L		μW	-	100	300
Aging (first year)	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			
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			



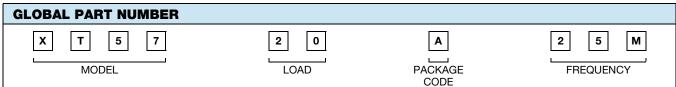
Document Number: 35013 Revision: 18-Oct-07 For technical questions, contact: frequency@vishay.com

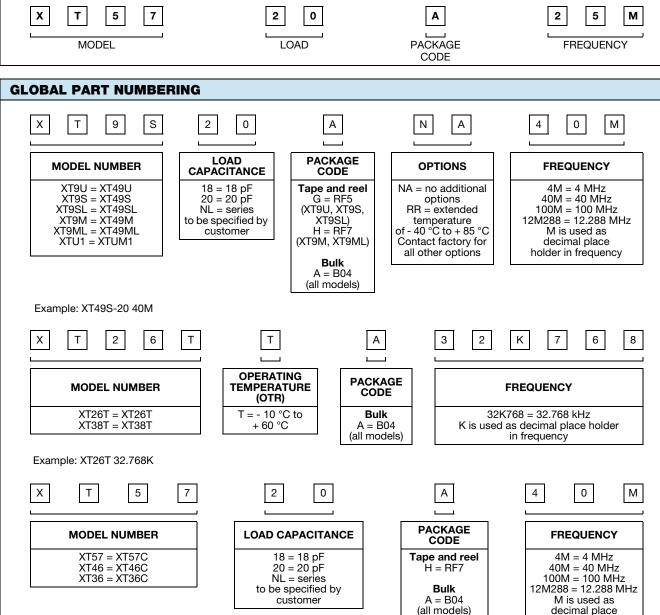
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Example: XT57C-20 40M

decimal place holder in frequency

Document Number: 35013





Vishay

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