

surface mounting.

XT49M Vishay Dale

ROHS

COMPLIANT

Low Profile SMD Type Crystal Units



This part is a miniature AT cut strip crystal unit packaged for

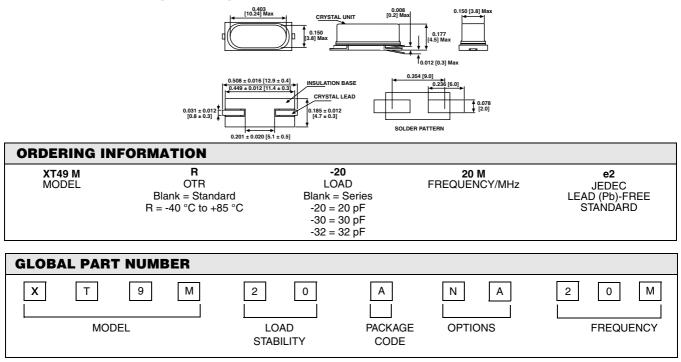
FEATURES

- Low cost
- Industry standard
- Wide frequency range
- Excellent aging
- Surface mount
- 100 % Lead (Pb)-free and RoHS compliant

PARAMETER	SYMBOL	SYMBOL CONDITION		MIN	TYPICAL	MAX
Frequency Range	Fo		MHz	3.200		66.000
Frequency Tolerance	∆F/Fo	at 25 °C	ppm	±10	±30	±50
Temperature Stability	TC	ref to 25 °C	ppm	±10	±30	±50
Operating Temperature Range	T _{OPR}		°C	-20		+70
Storage Temperature Range	T _{STG}		°C	-40		+85
Shunt Capacitance	Co		pF	-		7
Load Capacitance	CL	Customer Specified	рF	10		Series
Insulator Resistance	IR	100 V _{DC}	MΩ	500		
Drive Level	DL		μW		100	500
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	FREQUENCY RANGE(MHZ)	MAX ESR (Ω)	MODE				
3.200 to 4.499	150	Fundamental/AT	9.000 to 9.999	60	Fundamental/AT				
4.500 to 5.999	120	Fundamental/AT	10.000 to 12.999	50	Fundamental/AT				
6.000 to 6.999	100	Fundamental/AT	13.000 to 30.000	40	Fundamental/AT				
7.000 to 7.999	90	Fundamental/AT	30.000 to 66.000	80	3 rd Overtone				
8.000 to 8.999	80	Fundamental/AT							

DIMENSIONS in inches [millimeters]



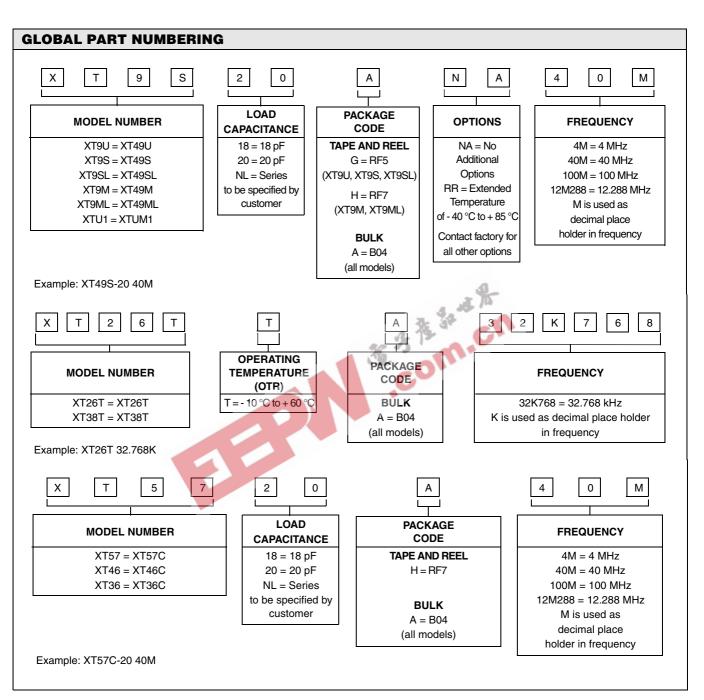
For technical questions contact: frequency@vishay.com

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