

Low Profile SMD Type Crystal Units



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

FEATURES

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

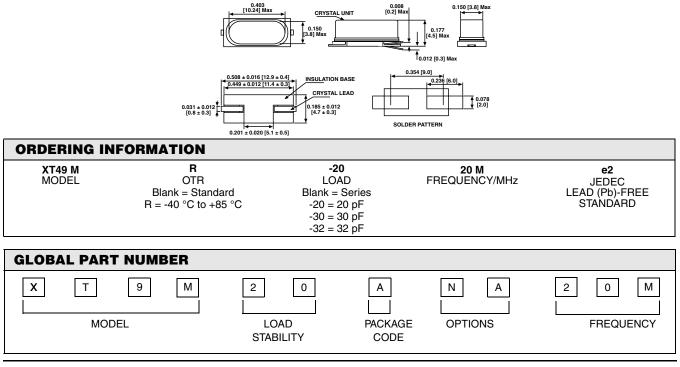


STANDARD ELECTRICAL SPECIFICATIONS								
PARAMETER	SYMBOL	CONDITION	UNIT	MIN	TYPICAL	MAX		
Frequency Range	Fo		MHz	3.200		66.000		
Frequency Tolerance	∆F/Fo	at 25 °C	ppm	±10	±30	±50		
Temperature Stability	TC	ref to 25 °C	ppm	±10	±30	±50		
Operating Temperature Range	T _{OPR}		°C	-20		+70		
Storage Temperature Range	T _{STG}		°C	-40		+85		
Shunt Capacitance	Co		pF			7		
Load Capacitance	CL	Customer Specified	pF	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)

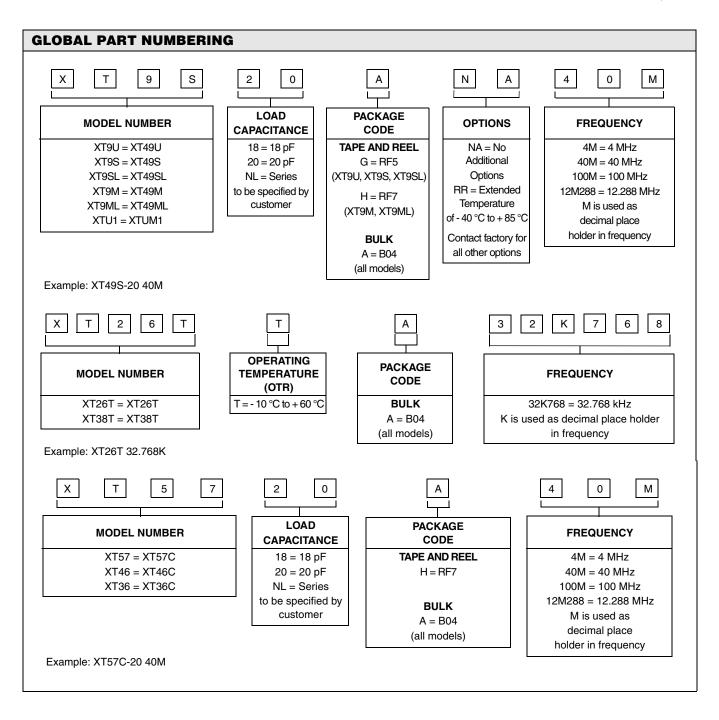
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FREQUENCY RANGE (MHZ)	MAX ESR (Ω)	MODE	FREQUENCY RANGE(MHZ)	MAX ESR (Ω)	MODE
3.200 to 4.499	150	Fundamental/AT	9.000 to 9.999	60	Fundamental/AT
4.500 to 5.999	120	Fundamental/AT	10.000 to 12.999	50	Fundamental/AT
6.000 to 6.999	100	Fundamental/AT	13.000 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]



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