Vishay Dale



Low Profile Holder Type Crystal Units



This part is a miniature AT cut strip crystal unit with a low profile package. It is with resistance weld.

FEATURES

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

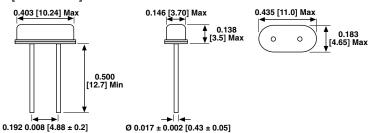


ROHS

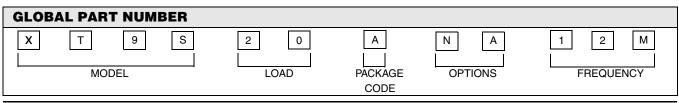
STANDARD ELECTRICAL SPECIFICATIONS							
PARAMETER	SYMBOL	CONDITION	UNIT	MIN	TYPICAL	MAX	
Frequency Range	Fo		MHz	3.200		66.000	
Frequency Tolerance	ΔF/F _O	at 25 °C	ppm	± 10	± 30	± 50	
Temperature Stability	TC	ref to 25 °C	ppm	± 10	± 30	± 50	
Operating Temperature Range	T _{OPR}		°C	- 20		+ 70	
Storing 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}	ΜΩ	500			
Drive Level	DL		μW		100	500	
Aging (first year)	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	3rd Overtone		
8.000 to 8.999	80	Fundamental/AT					

DIMENSIONS in inches [millimeters]



ORDERING INFORMATION								
XT49S MODEL	R OTR	- 20 LOAD	SP OPTIONS	12 M FREQUENCY/MHz	e2 JEDEC LEAD (Pb)-FREE			
	Blank = Standard R = - 40 °C to + 85 °C	Blank = Series - 16 = 16 pF - 20 = 20 pF Standard - 30 = 30 pF - 32 = 32 pF	Blank = Standard SP = Spacer SL = Sleeve		STANDÀRĎ			

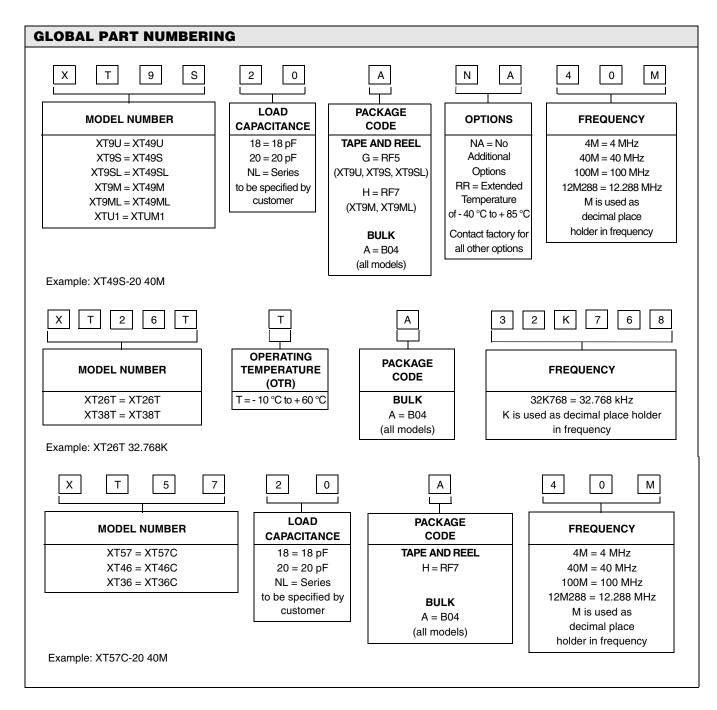


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