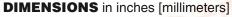


This part is a miniature AT cut strip crystal unit with a low profile package. It is with resistance weld.

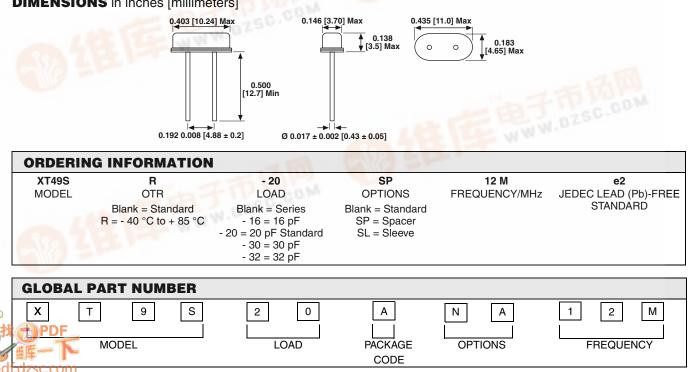
- Industry standard
- Wide frequency range
- Excellent aging
- 100 % Lead (Pb)-free and RoHS compliant

PARAMETER	SYMBOL	CONDITION	UNIT	MIN	TYPICAL	MAX
Frequency Range	Fo		MHz	3.200		66.000
Frequency Tolerance	$\Delta F/F_0$	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	AL 41 44	+ 70
Storing Temperature Range	T _{STG}		°C	- 40		+ 85
Shunt Capacitance	Co	- 50	pF			7
Load Capacitance	CL	Customer Specified	pF	10		Series
Insulator Resistance	IR	100 V _{DC}	MΩ	500		
Drive Level	DL DL	20.	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							



Document Number: 35014



For technical questions contact: frequency@vishav.com

RoHS

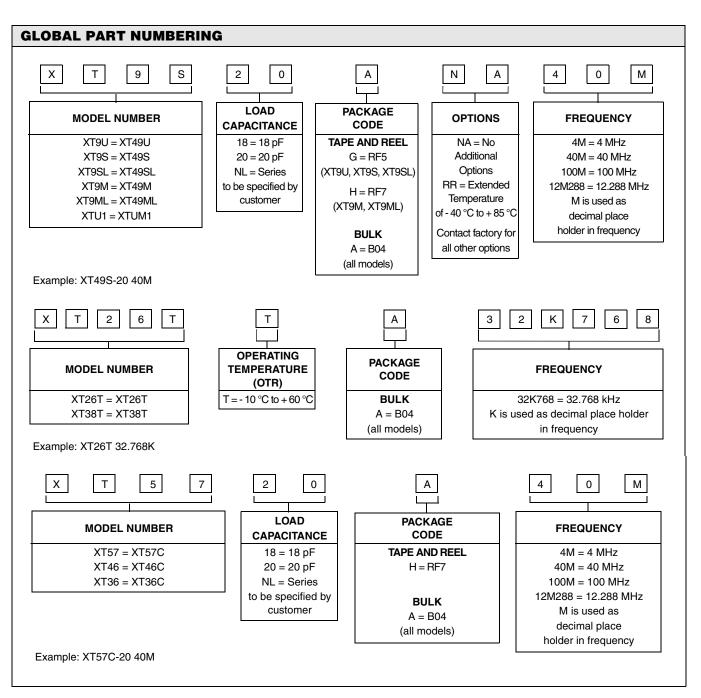
COMPLIANT

XT49S

Vishay Dale

Low Profile Holder Type Crystal Units







Vishay

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