



Low Profile Holder Type Crystal Units



FEATURES

- Low cost
- · Industry standard
- Wide frequency range
- · Excellent aging
- Material categorization: for definitions of compliance please see www.vishav.com/doc?99912



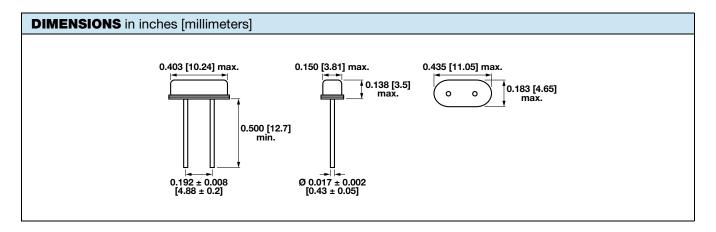
RoHS

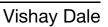
This part is a miniature AT cut strip crystal unit with a low profile package. It is with resistance weld.

STANDARD FLECTRICAL SPECIFICATIONS

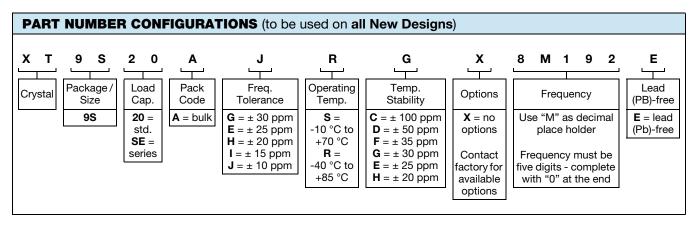
STANDARD ELECTRICAL SPECIFICATIONS								
PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.		
Frequency range	Fo		MHz	3.579545	-	66.000		
Frequency tolerance	ΔF/F _O	At 25 °C	ppm	-	± 10, ± 15, ± 20, ± 25, ± 30	-		
Temperature stability	T _C	Ref. to 25 °C	ppm	-	± 20, ± 25, ± 30, ± 35, ± 50, ± 100	-		
Operating temperature range	T _{OPR}		°C	-10	-	+70		
Storage temperature range	T _{STG}		°C	-55	-	+125		
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	500		
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	FREQUENCY RANGE (MHz)	MAX. ESR (Ω)	MODE			
3.579 to 3.999	200	Fundamental / AT	10.000 to 13.999	80	Fundamental / AT			
4.000 to 4.999	150	Fundamental / AT	14.000 to 39.999	50	Fundamental / AT			
5.000 to 5.999	120	Fundamental / AT	40.000 to 66.000	80	3 rd overtone			
6.000 to 9.999	100	Fundamental / AT	-	-	-			

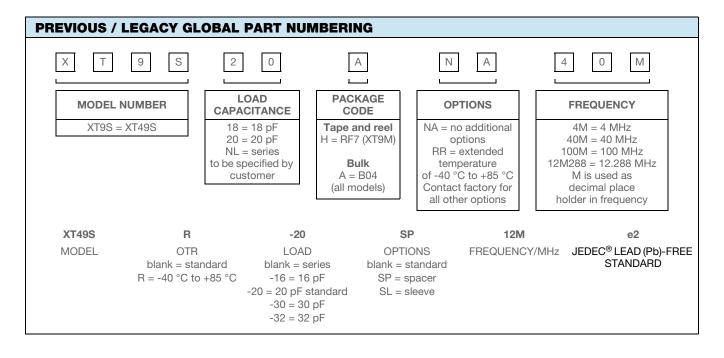








Previous / legacy part number information: still valid for existing designs; all New Designs should use the new part configuration above





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