XT49S

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

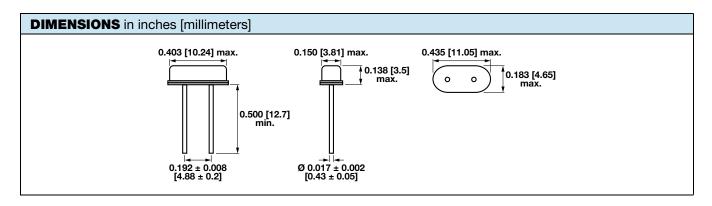
- Low cost
- Industry standard
- Wide frequency range
- Excellent aging
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS							
PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.	
Frequency range	Fo		MHz	3.579545	-	66.000	
Frequency tolerance	$\Delta F/F_{O}$	at 25 °C	ppm	-30	-	+30	
Temperature stability	T _C	ref. to 25 °C	ppm	-50	-	+50	
Operating temperature range	T _{OPR}		°C	-10	-	+70	
Storage temperature range	T _{STG}		°C	-55	-	+125	
Shunt capacitance	C ₀		pF	-	-	7	
Load capacitance	CL	customer specified	pF	10	-	series	
Insulation resistance	I _R	100 V _{DC}	MΩ	500	-	-	
Drive level	DL		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							



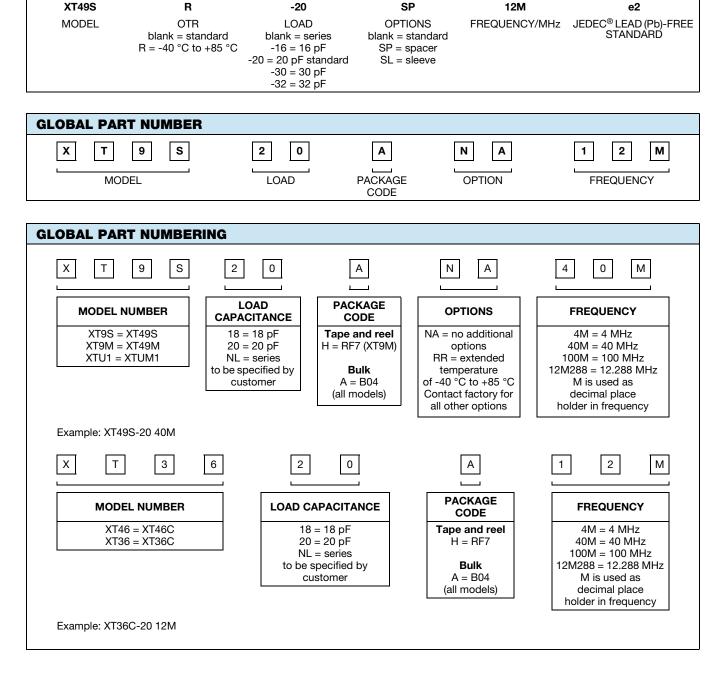
1 For technical questions, contact: frequency@vishay.com Document Number: 35014

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