

XT49SL

Vishay Dale

Low Profile Holder Type Crystal Units



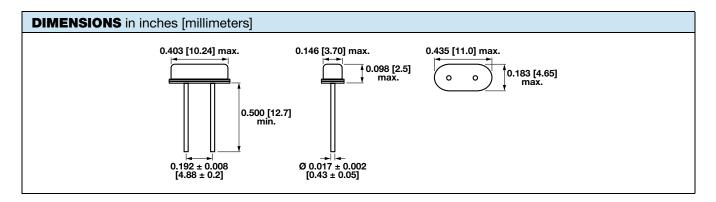
FEATURES

- Low cost
- · Industry standard
- Wide frequency range
- Excellent aging
- Compliant to RoHS directive 2002/95/EC

his part is a miniature AT cu rofile package. It is with resis		nit with a low				
STANDARD ELECTRICAL SPECIFICATIONS						
PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Frequency range	Fo		MHz	3.200	-	66.000
Frequency tolerance	$\Delta F/F_O$	at 25 °C	ppm	± 10	± 30	± 50
Temperature stability	T _C	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 conceitance	C		۶Ľ		1	7

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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)	ΜΑΧ. ESR (Ω)	MODE	FREQUENCY RANGE (MHz)	ΜΑΧ. 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 29.999	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					

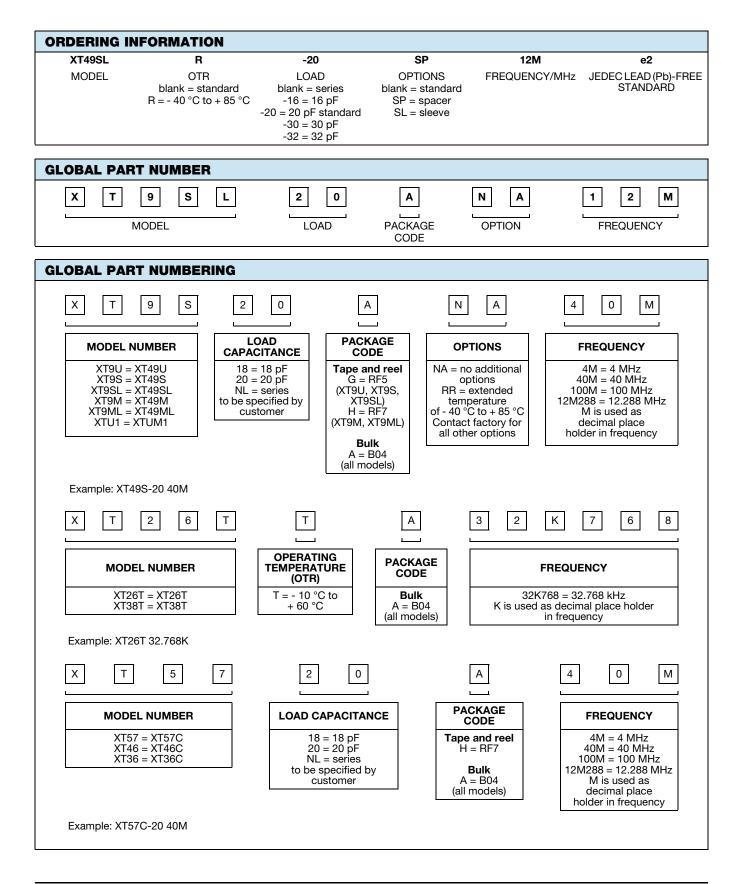




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