

XT35 Vishay Dale

Quartz Crystals



The XT35 is a miniature SMD crystal with 5.0 x 3.2 (mm) ceramic package and a height of 0.8 mm. 12 MHz to 25 MHz frequncy makes it widely applied in PDA, GPS, MP3, and portable instruments.

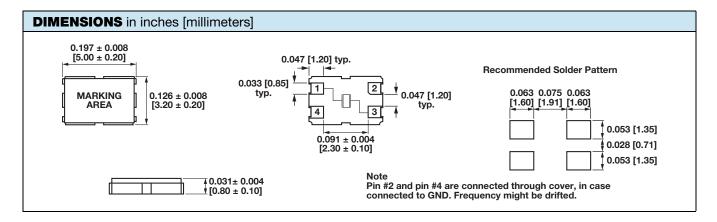
FEATURES

- Ultra-miniature size: 5.0 x 3.2 x 0.8 (mm)
- Wide frequency range
- · Seam sealing
- · Emboss taping
- Compliant to RoHS Directive 2002/95/EC



STANDARD ELECTRICAL SPECIFICATIONS							
PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.	
Frequency range	Fo		MHz	12.000	-	25.000	
Frequency tolerance	$\Delta F/F_{O}$	at 25 °C	ppm	-	± 30	-	
Temperature stability	T _C	ref. to 25 °C	ppm	-	± 50	-	
Operating temperature range	T _{OPR}		°C	0	-	+ 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	10	50	100	
Aging	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				
12.000 to 19.999	80	fundamental				
20.000 to 25.000	70	fundamental				



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For technical questions, contact: frequency@vishay.com

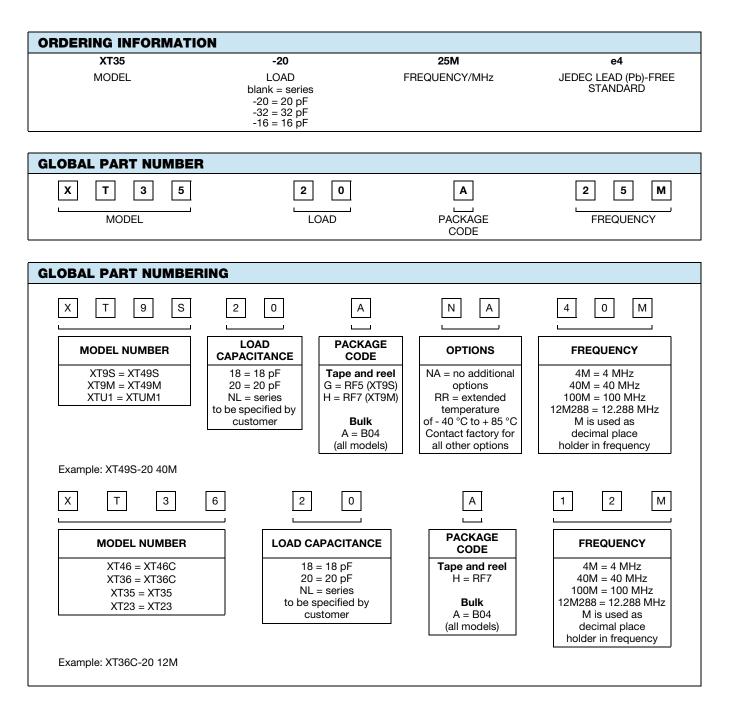
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