

XT46C

Vishay Dale

Surface Mount Crystal



This part is an ultra miniature package with size of 6.0 mm x 3.5 mm x 1.0 mm. With its ceramic base and metal cover it provides the durability and reliability necessary for strenuous process like infrared and vapor phase reflow.

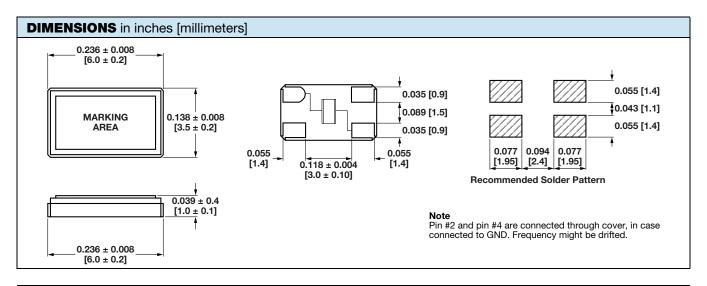
FEATURES

- Ultra-miniature size: 6.0 x 3.5 x 1.0 (mm)
- Seam sealing
- Ceramic package
- Emboss taping
- Reflow soldering
- Compliant to RoHS directive 2002/95/EC



STANDARD ELECTRICAL SPECIFICATIONS								
PARAMETER	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.		
Frequency range	Fo		MHz	10.000	-	30.000		
Frequency tolerance	$\Delta F/F_O$	at 25 °C	ppm	-	± 30	-		
Temperature stability	T _C	ref. to 25 °C	ppm	-	± 30	-		
Operating temperature range	T _{OPR}		°C	- 10	-	+ 60		
Storage temperature range	T _{STG}		°C	- 40	-	+ 85		
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	100		
Aging	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				
10.000 to 11.999	60	fundamental	19.000 to 19.999	40	fundamental				
12.000 to 12.099	50	fundamental	20.000 to 29.999	35	fundamental				
13.000 to 18.999	45	fundamental	30.000	30	fundamental				

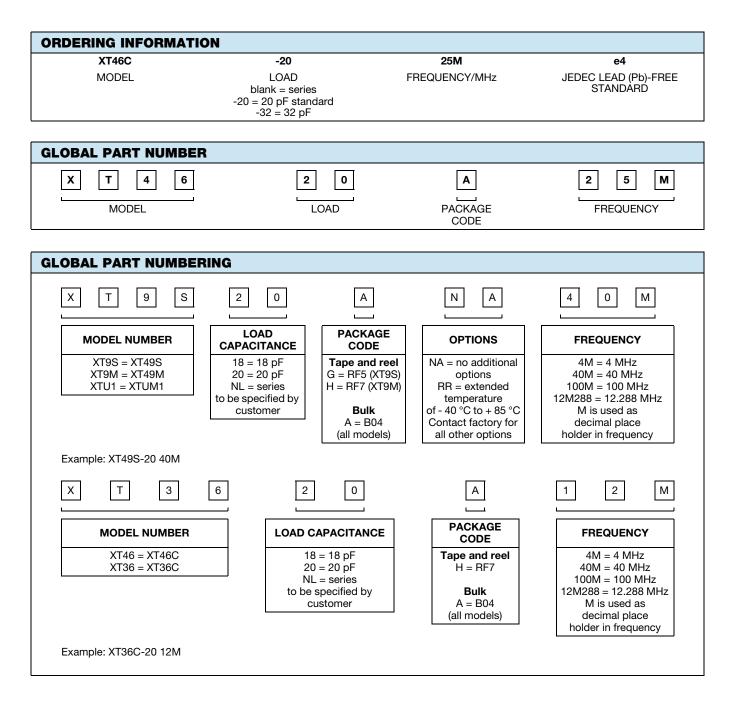


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