


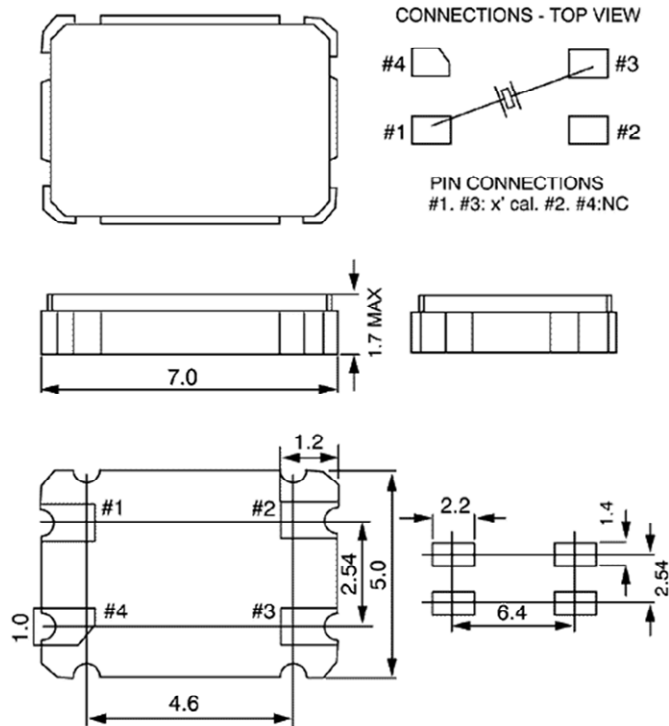


Product is compliant to RoHS directive   
and fully compatible with lead free assembly

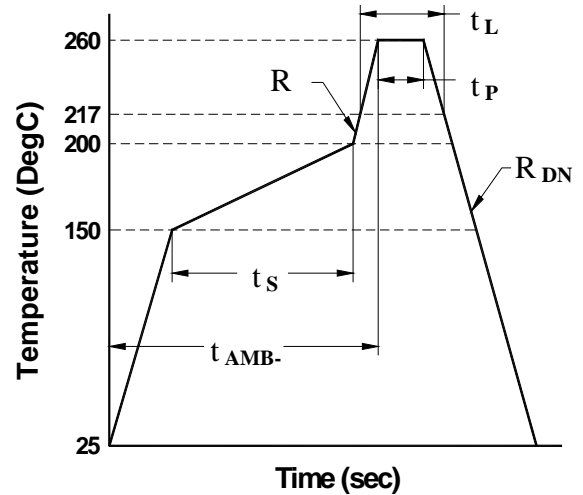
### VXC1 7 x 5 x 1.7mm 4 pads

<b>Package:</b>	<b>C1</b> = 7 x 5 x 1.7 mm 4 pads
<b>Frequency:</b>	10 MHz to 100 MHz
<b>Mode:</b>	<b>1</b> = Fundamental (10 to 40 MHz) <b>3</b> = 3 <sup>rd</sup> Overtone (40 to 100 MHz)
<b>Stability Options</b>	<b>A</b> = ±100 ppm -20°C to +70°C <b>B</b> = ±50 ppm -20°C to +70°C <b>F</b> = ±30 ppm -20°C to +70°C
<b>Load Capacitance (CL):</b>	<b>0</b> = Series Resonant <b>1</b> = 16 pF <b>2</b> = 20 pF <b>4</b> = 18 pF <b>5</b> = 10 pF <b>6</b> = 30 pF
<b>STD Calibration Tolerance</b>	±30 ppm at +25°C Tolerances to ±10 ppm are available
<b>ESR:</b>	80 Ohms max.
<b>Shunt Capacitance (Co):</b>	7 pF max
<b>Drive Level:</b>	10 to 100 uW
<b>Crystal Aging:</b>	< 5 PPM/ 1st year
<b>Standard Packaging:</b>	Tape & Reel (1,000 pc Minimum)
<b>Typical P/N:</b>	<b>VXC1-1B2-28M224</b> <b>C1</b> = 7 x 5 x 1.7 mm 4 pads <b>1</b> = Fundamental (10 to 40 MHz) <b>B</b> = ±50 ppm -20°C to +70°C <b>2</b> = 20 pF

## Package Drawing (mm)



## Typical Reflow Profile



**Table 1. Reflow Profile (IPC/JEDEC J-STD-020B)**

Parameter	Symbol	Value
PreHeat Time	$t_s$	60 sec Min, 200 sec Max
Ramp Up	$R_{UP}$	3 °C/sec Max
Time Above 217 °C	$t_L$	60 sec Min, 150 sec Max
Time To Peak Temperature	$t_{AMB-P}$	480 sec Max
Time At 260 °C (max)	$t_P$	10 sec Max
Time At 240°C (max)	$tp2$	60 sec Max
Ramp Down	$R_{DN}$	6 °C/sec Max

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