



## Specifications

Parameters	Product	Option Code
	MX1V-T	
<b>Termination:</b> Straight leads SMD formed leads, 2.54mm pitch	<input type="checkbox"/> <input checked="" type="checkbox"/>	1N 1K
<b>Frequency range:</b> 30.0 ~ 200kHz	<input checked="" type="checkbox"/>	
<b>Calibration tolerance:</b> ±20ppm ±30ppm ±100ppm	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	specify specify
<b>Operating temperature range:</b> -40 to +85°C	<input checked="" type="checkbox"/>	
<b>Storage temperature range:</b> -55 to +125°C	<input checked="" type="checkbox"/>	
<b>Circuit condition:</b> 10pF Other	<input checked="" type="checkbox"/> <input type="checkbox"/>	specify
<b>Static capacitance (C<sub>0</sub>):</b> 0.9pF	<input checked="" type="checkbox"/>	
<b>Motional capacitance (C<sub>1</sub>):</b> 2.1fF typ @ 32.768kHz 2.1fF typ @ 38.40kHz 1.35fF typ @ 76.80kHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<b>Equivalent series resistance:</b> 40kΩ typ, 55kΩ max @ 32.768kHz 32kΩ typ, 50kΩ max @ 38.40kHz 13kΩ typ, 20kΩ max @ 76.0kHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<b>Ageing:</b> ±3ppm max first year	<input checked="" type="checkbox"/>	
<b>Drive level:</b> 1.0μW max	<input checked="" type="checkbox"/>	
<b>Turnover temperature (T<sub>0</sub>):</b> +25°C ±5°C @ 32.768kHz +25°C ±5°C @ 38.40kHz +22°C ±5°C @ 76.0kHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<b>Frequency / temp coefficient:</b> -0.035ppm/°C <sup>2</sup> ±10% typ	<input checked="" type="checkbox"/>	
<b>Shock resistance:</b> ±5ppm max 5,000g, 0.3ms, ½ sine	<input checked="" type="checkbox"/>	
<b>Vibration resistance:</b> ±5ppm max, 20g, 10.0 ~ 2,000Hz	<input checked="" type="checkbox"/>	

■ Standard. □ Optional - Please specify required code(s) when ordering

## Features

- ▶ High shock resistance
- ▶ Wide temperature range
- ▶ Low power consumption
- ▶ SM version on tape & reel

## Standard Frequencies

Frequencies in kHz		
32.000	49.152	76.800
32.768	60.000	77.500
38.400	60.002	77.503
40.000	65.536	100.000
40.003	75.000	153.600

## Ordering Information

Product name + termination + option codes (if any) + frequency + calibration tolerance + load capacitance  
 eg: **MX1V-T1K 38.40kHz ±30ppm 10pF** -40+85°C  
 eg: **MX1V-T1N 32.768kHz ±30ppm 12.5pF** -40+85°C  
 Option code X (eg MX1V-T1K/X) denotes a custom spec.

- ◆ SM version available on T&R - 8k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.