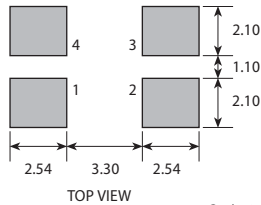
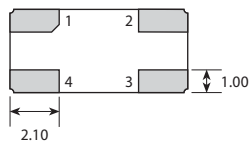


PAD	CONNECTION
1	Not connected or Enable/Disable
2	Ground
3	Output
4	Supply



Scale 3:1

## Features

- ▶ **Low jitter**
- ▶ **Military temperature range option**
- ▶ **Excellent shock & vibration resistance**
- ▶ **Enable / disable tristate option**

## Enable / Disable Function

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

## Specifications

Parameters	Product	Option Codes
	MCS01F	
<b>Frequency range:</b> 40.0 ~ 160MHz	■	
<b>Frequency stability*:</b> ±100ppm ±50ppm tighter stabilities on request	■ □ □	T specify
<b>Operating temperature range:</b> 0 to +70°C -40 to +85°C -55 to +125°C	■ □ □	A B C
<b>Operable temperature range:</b> -55 to +125°C	■	
<b>Storage temperature range:</b> -65 to +125°C	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +5.0V (±10%)	■	
<b>Supply current (max):</b> 50mA	■	
<b>Driving ability:</b> CMOS	■	
<b>Logic levels:</b> '0' level = +0.4V max '1' level = V <sub>DD</sub> -0.5V min	■ ■	
<b>Start up time:</b> 5ms max	■	
<b>Waveform symmetry:</b> 40:60 max @ 50%V <sub>DD</sub>	■	
<b>Jitter:</b> 1ps max	■	
<b>Rise / fall times:</b> 3ns max	■	
<b>Enable / disable function:</b> None (pad 1 NC) Tristate (control via pad 1)	■ □	E
<b>Shock resistance:</b> 5,000G, 0.3ms, ½ sine	■	
<b>Vibration resistance:</b> 10G rms 10.0 ~ 2,000Hz	■	
<b>Soldering condition:</b> 260°C, 10 sec max	■	

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

\* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change and ageing over 10 years.

## Ordering Information

Product name + option codes (if any) + frequency  
 eg: **MCS01F/A 80.0MHz** ±100ppm 0 to +70°C  
**MCS01F/TBE 120MHz** ±50ppm -40 to +85°C Enable / disable  
 Option code X (eg MCS01F/X) denotes a custom specification.

◆ Packed in trays (91 pcs/tray).