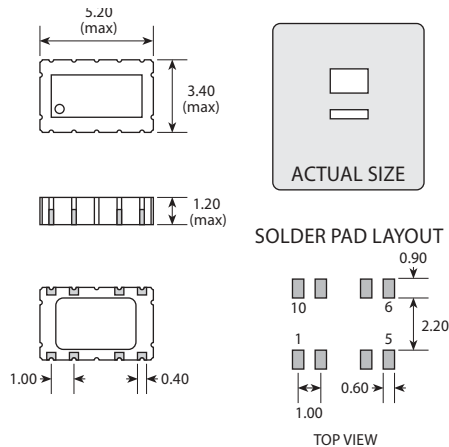
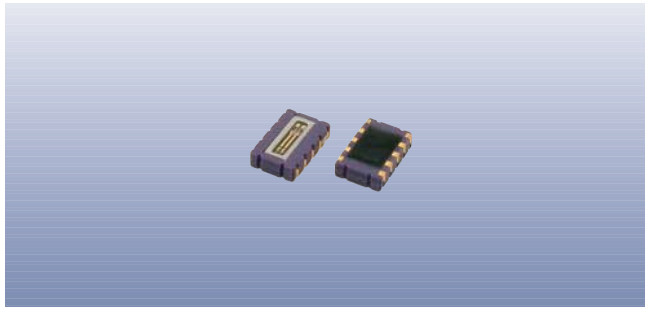




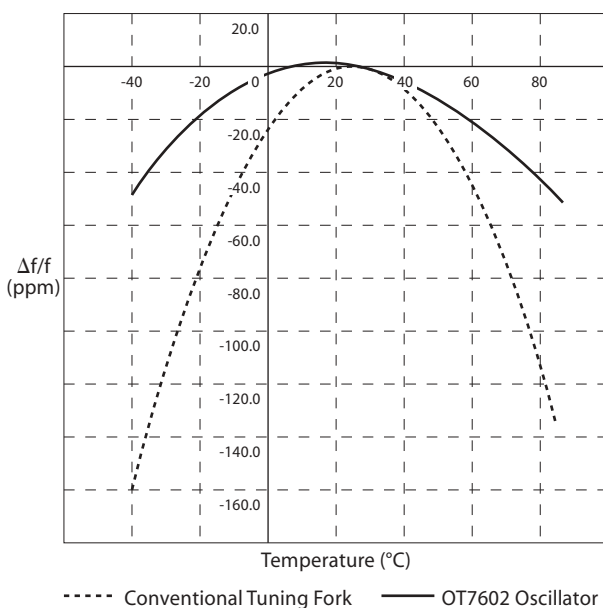
PAD	CONNECTION	PAD	CONNECTION
1	FOUT output enable (CLKOE)	6	Frequency output (CLKOUT)
2	Not connected	7	Not connected
4	Not connected	9	Not connected
5	Supply (VDD)	10	Ground

Scale 2:1

Features

- ▶ **Excellent temperature performance**
- ▶ **Low power consumption**
- ▶ **High shock and vibration resistance**

Temperature Characteristics



Specifications

Parameters	Product OT7602C2	Option Codes
Frequency: 32.7680kHz	■	
Calibration tolerance: ±10ppm ±20ppm Other	□ ■ □	A B specify
Frequency stability: 0 ~ -10ppm (0 to +50°C) 0 ~ -30ppm (-20 to +70°C) 0 ~ -50ppm (-40 to +85°C)	■ ■ ■	
Operating temperature range: -40 to +85°C	■	
Storage temperature range: -55 to +125°C	■	
Turnover temperature (T₀): +20°C	■	
Frequency / temp coefficient: -0.012ppm/°C ²	■	
Supply voltage (V_{DD}): 2.3 ~ 3.6V	■	
Voltage coefficient: ±3ppm/V max	■	
Supply current: 7μA typ, 10μA max (V _{DD} = 3.3V, no load)	■	
Driving ability: 15pF CMOS	■	
Output voltage: '0' level (I _{VOH}) = 0.4V max '1' level (I _{VOH}) = V _{DD} - 0.4V min	■ ■	
Start up time: 0.3s max	■	
Waveform symmetry: 49:51 max @ 50%V _{DD}	■	
Rise / fall times: 100ns max	■	
Enable / disable function: Tristate (control via pad 1)	■	
Ageing: ±3ppm max first year	■	
Shock and vibration resistance: ±5ppm, 5,000g, 0.3ms, ½ sine ±5ppm, 20g, 10.0 ~ 2,000Hz	■ ■	
Soldering condition: Reflow, 260°C, 20 sec max	■	

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

Enable / Disable Function

Input (pad 1)	Output (pad 6)
Open '1' level '0' level	Enabled Enabled High Impedance

Ordering Information

Package type + option code

eg: **OT7602C2/B** ±20ppm (standard)**OT7602C2/A** ±10ppm

Option code X (eg OT7602C2/X) denotes a custom spec.

- ◆ Available on T&R - 1k, 2.5k or 5k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.