



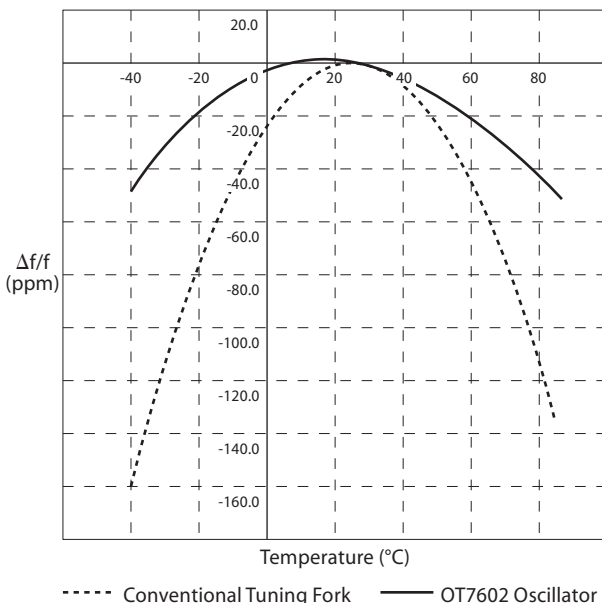


Scale 2:1

Features

-  **Excellent temperature performance**
-  **Low power consumption**
-  **High shock and vibration resistance**
-  **Miniature ceramic package**

Temperature Characteristics



Specifications

Parameters	Product	Option Codes
	OT7602C1	
Frequency:	32.7680kHz	■
Calibration tolerance:	±30ppm ±20ppm ±10ppm Other	■ □ □ □
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 _{VOL}) = 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 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

Ordering Information

Package type + option codes (if necessary) + frequency
 eg: **OT7602C1 32.768kHz** ±30ppm (standard)
OT7602C1/A 32.768kHz ±10ppm
 Option code X (eg OT7602C1/X) denotes a custom spec.

- ◆ Available on T&R - 1k, 2k or 4k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.