



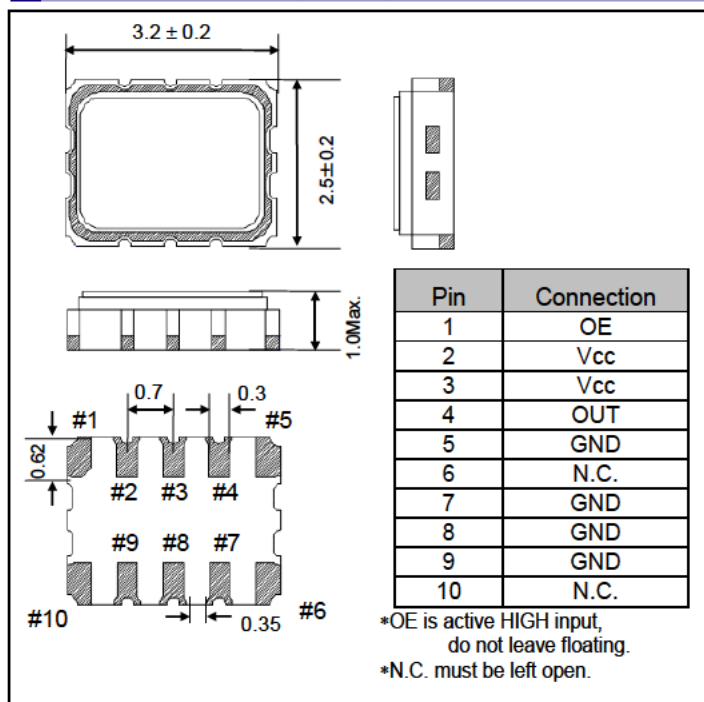
TCXO

TG-3541CEProduct Number
TG-3541CE : X1B000351xxxx00

- Output frequency : 32.768 kHz
- Built-in 32.768 kHz-DTCXO
- Supply voltage : 1.5 V to 5.5 V
- Frequency tolerance :
 - XA
 - $\pm 3.4 \times 10^{-6}$ / -40 °C to +85 °C
 - $\pm 8.0 \times 10^{-6}$ / +85 °C to +105 °C
 - XB
 - $\pm 5.0 \times 10^{-6}$ / -40 °C to +85 °C
 - $\pm 8.0 \times 10^{-6}$ / +85 °C to +105 °C

Specifications (characteristics)

Item	Symbol	Specifications	Conditions
Output frequency range	Fo	32.768 kHz	
Supply voltage	VCC	1.5 V to 5.5 V	
Storage temperature	T_stg	-55 °C to +125 °C	
Operating temperature	T_use	-40 °C to +105 °C	
Frequency tolerance	f_tol	XA	$\pm 3.4 \times 10^{-6}$ Ta = -40 °C ~ +85 °C
			$\pm 8.0 \times 10^{-6}$ Ta = +85 °C ~ +105 °C
		XB	$\pm 5.0 \times 10^{-6}$ Ta = -40 °C ~ +85 °C
			$\pm 8.0 \times 10^{-6}$ Ta = +85 °C ~ +105 °C
Current consumption	Icc	1.0 μ A Typ./3.0 μ A Max.	No load condition, Vcc = 3.0 V
Disable current	I_dis	1.5 μ A Max.	OE=GND, Vcc = 3.0 V
Symmetry	SYM	40 % to 60 %	50 % Vcc level
Output voltage	VOH	80 % Vcc Min.	IOH=-0.5 mA, Vcc=3.0 V
	VOL	20% Vcc Max.	IOL=0.5 mA, Vcc=3.0 V
Output load condition(CMOS)	L_CMOS	30 pF Max.	
Start-up time	t_str	1 s Max.	Ta= +25 °C, Vcc=1.5 V to 5.5 V
Frequency aging	f_aging	$\pm 3 \times 10^{-6}$	Ta= +25°C, Vcc=3.0 V, first year

External dimensions (Unit:mm)**Frequency temperature characteristics**

■ 32.768 kHz-DTCXO Frequency temperature characteristics (Example)

