



TCXO

## TG-3541CE

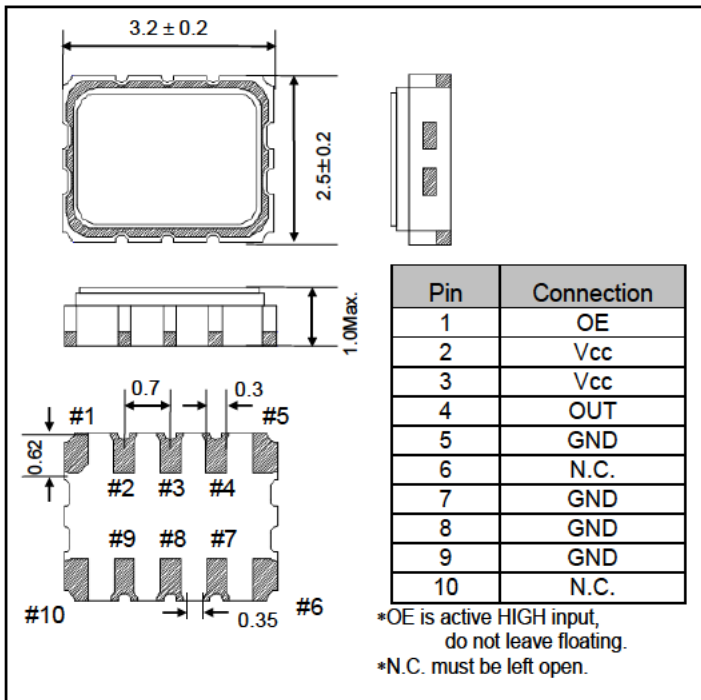
Product Number  
TG-3541CE : X1B000351xxxx00

- Output frequency : 32.768 kHz
- Built-in 32.768 kHz-DTCXO
- Supply voltage : 1.5 V to 5.5 V
- Frequency tolerance :
- XA
  - ± 3.4 × 10<sup>-6</sup> / -40 °C to +85 °C
  - ± 8.0 × 10<sup>-6</sup> / +85 °C to +105 °C
- XB
  - ± 5.0 × 10<sup>-6</sup> / -40 °C to +85 °C
  - ± 8.0 × 10<sup>-6</sup> / +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	±3.4 × 10 <sup>-6</sup> / Ta = -40 °C ~ +85 °C
			±8.0 × 10 <sup>-6</sup> / Ta = +85 °C ~ +105 °C
		XB	±5.0 × 10 <sup>-6</sup> / Ta = -40 °C ~ +85 °C
			±8.0 × 10 <sup>-6</sup> / Ta = +85 °C ~ +105 °C
Current consumption	Icc	1.0 μA Typ./3.0 μA Max.	No load condition, Vcc = 3.0 V
Disable current	I_dis	1.5 μA 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	±3 × 10 <sup>-6</sup>	Ta= +25°C, Vcc=3.0 V, first year

## External dimensions (Unit:mm)



## Frequency temperature characteristics

