

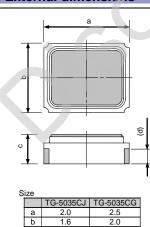
fo	26 MHz, and 38.4 MHz			Standard frequency
.5	25.000 MHz to 52.000 MHz			
Vcc	1.8 V ±0.1 V / 2.8 V ±5% / 3.0 V ±5% / 3.3 V ±5%			Supply voltage Range :1.7 V to 3.6 V
T_stg	-40 °C to +90 °C			Storage as single product.
T_use	-40 °C to +85 °C			
f_tol				After reflow, +25 °C
fo-Tc	$\pm 0.5 \times 10^{-6}$ Max. / -40 °C to +85 °C			High stability version (for GPS)
	±2.0 × 10 ⁻⁶ Max. / -40 °C to +85 °C			Standard stability version
fo-Load	±0.2 × 10 ⁻⁶ Max.			10 kΩ // 10 pF ±10 %
fo-Vcc	±0.2 ×10 ⁻⁶ Max.			Vcc ±5%
f_age	±1.0 ×10 ⁻⁶ Max.			+25 °C , First year, fo≦40 MHz
	±1.5 ×10 ⁻⁶ Max.			+25 °C , First year,40 MHz <fo≦52 mhz<="" td=""></fo≦52>
lcc	1.5 mA Max.			fo≦26 MHz
	2.0 mA Max.			26 MHz <fo≦52 mhz<="" td=""></fo≦52>
I_std	— 10 µA Max.		$\overline{ST} = GND$	
VIH			- ST terminal	
VIL				
Rin	500 kΩ Min.			Vc- GND (DC)
f_cont				Vc =0.9 V ±0.6 V (Vcc =1.8 V) or
	$\pm 8.0 \times 10^{-6}$ to $\pm 15.0 \times 10^{-6}$		Vc =1.4 V ±1.0 V (Vcc =2.8 V) or	
			Vc =1.5 V ±1.0 V (Vcc =3.0 V) or	
			Vc =1.65 V ±1.0 V (Vcc =3.3 V)	
_	Positive polarity —			
SYM	40 % to 60 %			GND level (DC cut)
Vpp	0.8 V Min.			Peak to Peak
t_str	2.0 ms Max.			T=0 at 90% Vcc
Load_R				–DC cut capacitor = 0.01 μF
Load C				
1	T_stg T_use f_tol fo-Tc fo-Load fo-Vcc f_age lcc l_std V _{IH} V _{IL} Rin f_cont SYM VPP t_str Load_R	10 25.0 Vcc 1.8 V ±0.1 V / T_stg T_use f_tol $1.8 V \pm 0.1 V /$ f_tol $1.8 V \pm 0.1 V /$ fo-Tc $\pm 0.5 \times 10$ fo-Tc $\pm 0.5 \times 10$ fo-Load $10^{-6} Vcc$ f_age $10^{-6} Vcc$ I_std $-$ V _{IH} $-$ V _{IH} $-$ Rin 500 kΩ Min. $\pm 15.0 \times 10^{-6}$ to $\pm 15.0 \times 10^{-6}$ $-$ Positive polarity SYM VPP t_str Load_R	10 25.000 MHz to 52.000 M Vcc 1.8 V ±0.1 V / 2.8 V ±5% / 3.0 V ±5 T_stg -40 °C to +90 °C T_use -40 °C to +85 °C f_tol ±1.5 ×10 ⁶ Max. fo-Tc ±0.5 × 10 ⁶ Max. / -40 °C to +8 fo-Load ±0.2 × 10 ⁶ Max. fo-Vcc ±0.2 × 10 ⁶ Max. f_age ±1.5 × 10 ⁶ Max. Icc 1.5 mA Max. Icc 2.0 mA Max. I_std - V _{IH} - V _{IL} - Rin 500 kΩ Min. f_SYM 40 % to 60 % VPP 0.8 V Min. t_str 2.0 ms Max.	10 25.000 MHz to 52.000 MHz Vcc 1.8 V ±0.1 V / 2.8 V ±5% / 3.0 V ±5% / 3.3 V ±5% T_stg -40 °C to +90 °C T_use -40 °C to +85 °C f_tol ±1.5 ×10 ⁶ Max. fo-Tc ±0.5 × 10 ⁶ Max. / -40 °C to +85 °C fo-Load ±0.2 × 10 ⁶ Max. fo-Vcc ±0.2 × 10 ⁶ Max. f_age ±1.5 ×10 ⁶ Max. f_age ±1.5 ×10 ⁶ Max. Icc 1.5 mA Max. Istd — V _{IH} — 80% Vcc Min. — f_cont ±8.0 × 10 ⁻⁶ to ±15.0 × 10 ⁶ — SYM 40 % to 60 % VPP 0.8 V Min. t_str 2.0 ms Max.

* Note : Please contact us for requirements not listed in this specification.

Product Name (Standard form) TG-5035 CJ-*** 26.000000MHz

1 2 3 4 1 Model 2 Package

External dimensions



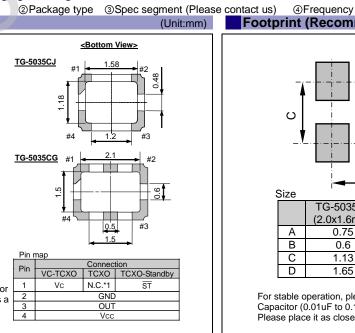
 b
 1.6
 2.0

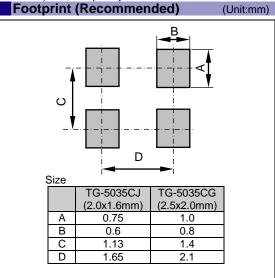
 c
 0.73
 0.8

 (d)
 0.27
 0.38

 *1) Please keep "N.C." pin OPEN condition or GND connection. "N.C." pin doesn't work as a

ground pin.





For stable operation, please add a bypass Capacitor (0.01uF to 0.1uF) between Vcc and GND. Please place it as close to TCXO as possible.

PROMOTION OF ENVIRONMENTAL MANAGEMENT SYSTEM CONFORMING TO INTERNATIONAL STANDARDS

At Seiko Epson, all environmental initiatives operate under the Plan-Do-Check-Action (PDCA) cycle designed to achieve continuous improvements. The environmental management system (EMS) operates under the ISO 14001 environmental management standard.

All of our major manufacturing and non-manufacturing sites, in Japan and overseas, completed the acquisition of ISO 14001 certification.

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Seiko Epson made early efforts towards obtaining ISO9000 series certification and has acquired ISO9001 for all business establishments in Japan and abroad. We have also acquired ISO/TS 16949 certification that is requested strongly by major automotive manufacturers as standard.

Explanation of the mark that are using it for the catalog

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ISO/TS16949 is the international standard that added the sector-specific supplemental requirements for automotive industry based on ISO9001.

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Designed for automotive applications related to driving safety (Engine Control Unit, Air Bag, ESC etc).

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