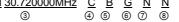


Item	Symbol	TG5032CCN (CMOS) TG5032SCN (Clipped sine wave)				Conditions / Remarks
		VC-TCXO	TCXO	VC-TCXO	TCXO	Conditions / Remarks
			10 MHz	to 50 MHz	·	
Output frequency range	fo	10, 12.8, 15.36, 16.384, 19.44, 20, 24,				Standard frequency
		24.576, 25, 26, 27, 30.72, 40, 49.152, 50 MHz				
Supply voltage	Vcc	C: 3.3 V ±5%, H: 5.0 V ±5% (Supply voltage range :2.7 V to 5.5 V)				
Storage temperature	T_stg	-40 °C to +90 °C			Storage as single product	
Operating temperature	T_use	G: -40 °C to +85 °C			- - - -	
a) Frequency tolerance	f_tol	±1.0 × 10 ⁻⁶ Max. (10 MHz≦fo≦40 MHz)			After reflow, +25 °C	
		±0.9 × 10 ⁻⁶ Max. (40 MHz <fo≦50 mhz)<="" td=""></fo≦50>				
 b) Frequency/temperature characteristics 	fo-Tc	B: ±0.28 × 10 ⁻⁶ Max.(for Stratum3)			-40 °C to +85 °C	
		H: ±0.25 × 10 ⁻⁶ Max. (for Stratum3) : Option				
c) Frequency/load coefficient	fo-Load	±0.1 ×10 ⁻⁶ Max. (10 MHz≦fo≦40 MHz)			Load ±10 %	
		±0.2 ×10 ⁶ Max. (40 MHz <fo≦50 mhz)<="" td=""></fo≦50>				
d) Frequency/voltage coefficient	fo-Vcc	±0.1 ×10 ⁻⁶ Max. (10 MHz≦fo≦40 MHz)			Vcc ±5%	
		±0.2 ×10 ⁻⁶ Max. (40 MHz <fo≦50 mhz)<="" td=""></fo≦50>				
e) Frequency aging	f_age	±0.5 ×10 ⁻⁶ Max.			+25 ℃, First year	
					+25 ℃ , 20 years	
Holdover stability		±0.01 × 10 ⁻⁶ Max.(+25 °C , 24 hours)			After 10 days of continuous operation.	
(Constant temperature)	-	±0.04 × 10 ⁻⁶ Max.(+25 °C , 24 hours)			After 48 hours of continuous operation.	
Free-run accuracy	-	±4.6 × 10 ⁻⁶ Max.			This includes Item a),b),c),d) and e).	
Current consumption	Icc	5.0 mA Max. / 6.0 mA Max.			10 MHz≦fo≦26 MHz (3.3V / 5.0V)	
		6.0 mA Max. / 8.0 mA Max.		5.0 mA Max.		26 MHz <fo≦40 (3.3v="" 5.0v)<="" mhz="" td=""></fo≦40>
					40 MHz <fo≦50 (3.3v="" 5.0v)<="" mhz="" td=""></fo≦50>	
Input resistance	Rin	100 kΩ Min.		100 kΩ Min.	—	Vc- GND (DC)
Frequency control range	f_cont	±5 x10 ⁻⁶ to	_	±5 ×10 ⁻⁶ to ±10 ×10 ⁻⁶	—	D :Vc=1.5 V ± 1.0 V at V _{cc} =3.3 V
		$\pm 10 \times 10^{-6}$				E: Vc=1.65 V ± 1.0 V at V _{cc} =3.3 V
		10 XIU				H: Vc=2.5 V ± 2.0 V at V _{cc} =5.0 V
Frequency change polarity	—	Positive polarity	—	Positive polarity	—	
Symmetry	SYM	45 % to 55 %		—		GND level (DC cut)
Output voltage	Vон	90 % Vcc Min.		_		
	Vol	10 % Vcc Max.		—		
Output level	Vpp	—				Peak to Peak
Rise time / Fall time	tr/tf	8.0 ns Max.				10% Vcc to 90 % Vcc level,Load:15 pF
Start-up time	t_str	5.0 ms				T=0 at 90% Vcc
Output load condition	Load		15 pF 10 kΩ//10 pF		10 pF	

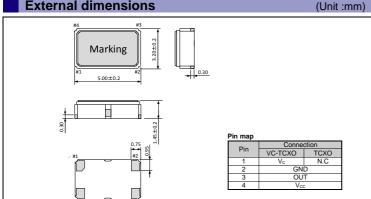
* Note : Please contact us for requirements not listed in this specification.

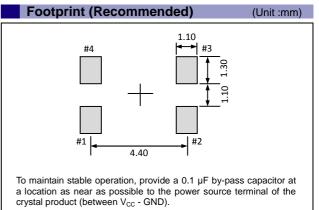
Product Name (Standard form) TG5032 C CN 30.720000MHz C B G N N A



Internal identification code ("A" is default)

External dimensions





SEIKO EPSON CORPORATION

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