Crystal oscillator	SEIKO EPSON CORPORATION
TCXO LOW VOLTAGE HIGH STABILITY	Pb Free Rolls Compliant Product Number (Please contact us) X1G004421xxxx00
Output frequency: 13 MHz to 20MHz, 25 MHz to 40 MHz•Supply voltage: 1.2 V Typ.•Frequency / temperature characteristics: $\pm 0.5 \times 10^6$ Max.•External dimensions: $2.0 \times 1.6 \times 0.73$ mm•Applications: GPS	Actual size
•Features : Low supply voltage (1.2 V) High stability Stand-by function (ST)	•
Specifications (characteristics)	

Item	Symbol	Specifications	Conditions / Remarks
Output frequency range	fo	13 MHz to 20MHz, 25 MHz to 40 MHz	
		26 MHz, 38.4 MHz	Standard frequency
Supply voltage	Vcc	1.2 V ±0.1 V (Supply voltage range :1.1 V to 1.4 V)	
Storage temperature	T_stg	-40 ℃ to +90 ℃	Storage as single product.
Operating temperature	T_use	-30 °C to +85 °C	
Frequency tolerance	f_tol	$\pm 2.0 \times 10^{-6}$ Max.	After reflow, +25 °C
Frequency/temperature characteristics	fo-Tc	$\pm 0.5 imes 10^{-6}$ Max.	-30 °C to +85 °C
Frequency/load coefficient	fo-Load	$\pm 0.2 \times 10^{-6}$ Max.	10 kΩ // 10 pF ±10 %
Frequency/voltage coefficient	fo-Vcc	$\pm 0.2 \times 10^{-6}$ Max.	Vcc=1.2 V ±0.1 V
Frequency aging	f_age	$\pm 1.0 \times 10^{-6}$ Max.	+25 °C, First year
Current consumption	Icc	1.6 mA Max.	fo ≤26 MHz
		2.1 mA Max	26MHz <fo< td=""></fo<>
Stand-by current	I_std	3 µA Max.	$\overline{ST} = GND$
Input voltage	VIH	80% Vcc Min.	- S⊤ terminal
	VIL	20 % Vcc Max.	
Symmetry	SYM	40 % to 60 %	GND level (DC cut)
Output voltage	Vpp	0.8 V Min.	Peak to Peak
Output load condition	Load_R	10 kΩ	-DC cut capacitor = 0.01 μF
	Load_C	10 pF	

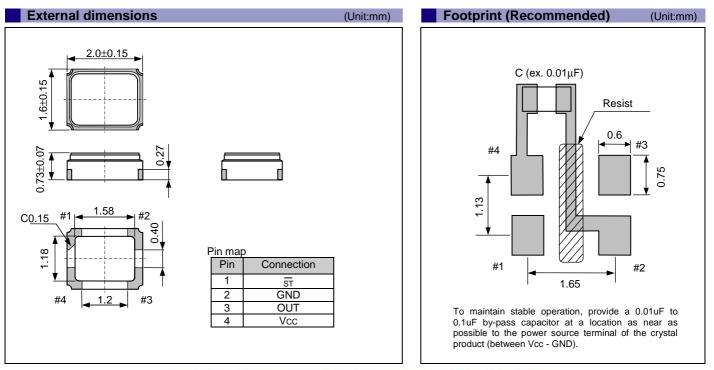
* Note : Please contact us for requirements not listed in this specification.

Product Name (Standard form)

 TG2016 SAN 26.00000MHz
 J
 C
 N
 S
 N
 C

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 ③
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 ⑦
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 ⑨
 Model ②Output (S: Clipped sine wave) ③Frequency ④Supply voltage (J: 1.2 V Typ.)

⑤Frequency / temperature characteristics (C: ±0.5 × 10⁻⁶ Max.) ⑥Operating temperature (N: -30 °C to +85 °C) ⑧Vc function(N: Non) ⑨Internal identification code ("C" is default) ⑦Standby function (S: Standby)



YIJIN ELECTRONICS CO: LTD TEL: 0755-27876565 SHENZHEN

18924600166 QQ: 857950243 http://www.vc-tcxo.com

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.

WORKING FOR HIGH QUALITY

In order provide high quality and reliable products and services than meet customer needs,

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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For Automotive	► Designed for automotive applications such as Car Multimedia, Body Electronics, Remote Keyless Entry etc.
Automotive Safety	► Designed for automotive applications related to driving safety (Engine Control Unit, Air Bag, ESC etc).

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