

### Oven Controlled **Crystal Oscillator (OCXO)**

# **OG2525CCNHCBDDJ**

 Output frequency 10.0MHz Supply voltage 5.0 V Typ.

•Frequency / temperature characteristics : ±50 × 10° Max. / -20 °C to +70 °C •External dimensions : 25.4 × 25.4 × 12.7 mm

Very fast warm-up and accurate stability SC-Cut Crystal unit Features

Please contact us for detailed specifications

# RoHS Product Number (Please contact us) X1G004661001200 Compliant

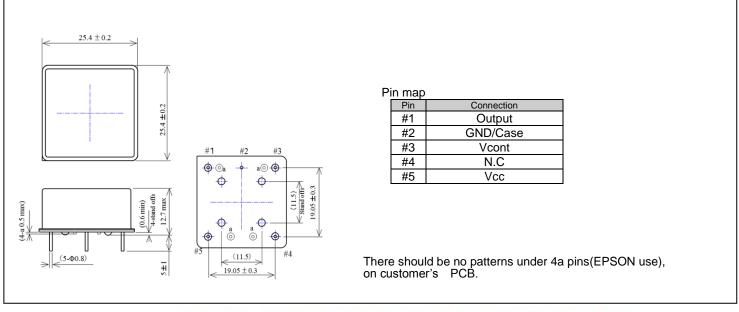
#### Specifications (characteristics)

Item		Symbol	Specifications	Condition / Remarks
Output frequency range		fo	10.000 MHz	
Supply voltage		Vcc	H : 5V ±0.25V	
Storage temperature range		T_stg	-40 °C to +85 °C	
Operating temperature range		T_use	B : -20 °C to +70 °C	
Frequency tolerance	Initial tolerance		±200 × 10 <sup>-9</sup> Max.	at +25 °C, Vcc=5.0V
	Frequency/temperature characteristics	fo-Tc	D : ±50 × 10 <sup>-9</sup> Max.	-20 °C to +70 °C calm air
	Frequency/voltage coefficient	fo-Vcc	±5 × 10 <sup>-9</sup> Max.	Vcc=5 V ±0.25V
	Frequency/load coefficient	Fo-load	±5 × 10 <sup>-9</sup> Max.	15pF ± 5%
	Frequency aging	f_age	±3 × 10 <sup>-9</sup> / day Max. C : ±100 × 10 <sup>-9</sup> / year Max.	Temp.;at +25 °C calm air Vcont & Vcc =const. ;f ref;7days after power on
	Warm-up	_	±50 × 10 <sup>-9</sup> / 5 min Max.	at +25 °C
Frequency tuning			$\pm 0.2 \times 10^{-6}$ to $\pm 0.8 \times 10^{-6}$	Vcont 0.5 to 4.5V positive slope
Current	Warm-up	Icc	650 mA Max.	Vcc=5 V
consumption Steady state		icc	300 mA Max.	Vcc=5 V at +25 °C
Symmetry		SYM	45% to 55%	at 2V
Output voltage		V <sub>OH</sub> /V <sub>OL</sub>	VOH = 2.4V Min. / VOL = 0.4V Max.	
Output load condition		Load C	15 pF typ	Max 20pF R-load Min.1kΩ
	1Hz		-80 dBc/Hz typ.	
Phase noise (10MHz)	10Hz	_	-100 dBc/Hz typ.	
	100Hz		-130 dBc/Hz typ.	
	1kHz		-140 dBc/Hz typ.	
	10kHz	1	-145 dBc/Hz typ.	

 $\underline{\mathsf{OG2525}\;\underline{\mathsf{CCN}}}\;\underline{\mathsf{10.000000MHz}}\;\underline{\mathsf{H}}\;\underline{\mathsf{C}}\;\underline{\mathsf{B}}\;\underline{\mathsf{D}}\;\underline{\mathsf{D}}\;\underline{\mathsf{J}}$ Product name (Standard form) 2 (3) 456789

- ①Model ②Output(C:CMOS) ③Frequency ④Supply voltage(H:5V) ⑤Aging(C: ±100 x 10<sup>-9</sup> / year)

#### External dimensions (Unit:mm)



SHENZHEN YIJIN ELECTRONICS CO: LTD TEL: 0755-27876565

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# 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.

ISO 14000 is an international standard for environmental management that was established by the International Standards Organization in 1996 against the background of growing concern regarding global warming, destruction of the ozone layer, and global deforestation.

#### **WORKING FOR HIGH QUALITY**

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

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

Explanation of the mark that are using it for the catalog



►Pb free.



- ► Complies with EU RoHS directive.
  - \*About the products without the Pb-free mark.

    Contains Pb in products exempted by EU RoHS directive.

    (Contains Pb in sealing glass, high melting temperature type solder or other.)



▶ Designed for automotive applications such as Car Multimedia, Body Electronics, Remote Keyless Entry etc.



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

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