



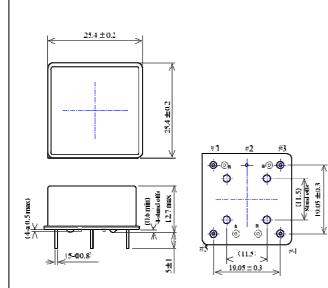
Item		Symbol	Specifications	Condition / Remarks
Output frequency range		fo	10.000 MHz	
Supply voltage		Vcc	H : 5V ±0.25V	
Storage temperature range		T_stg	-40 °C to +85 °C	
Operating temperature range		T_use	B : -20 °C to +70 °C	
Frequency tolerance *	Initial tolerance		±200 × 10 ⁻⁹ Max.	at +25 °C, Vcc=5.0V
	Frequency/temperature characteristics	fo-Tc	D : ±50 × 10 ⁻⁹ Max.	-20 °C to +70 °C calm air
	Frequency/voltage coefficient	fo-Vcc	±5 × 10 ⁻⁹ Max.	Vcc=5 V ±0.25V
	Frequency/load coefficient	Fo-load	±5 × 10 ⁻⁹ Max.	15pF ± 5%
	Frequency aging	f_age	$\pm 3 \times 10^{-9}$ / day Max. C : $\pm 100 \times 10^{-9}$ / year Max.	Temp.;at +25 °C calm air Vcont & Vcc =const. ;f ref;7days after power on
	Warm-up	—	±50 × 10 ⁻⁹ / 5 min Max.	at +25 ℃
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 _{OH} /V _{OL}	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		-145 dBc/Hz typ.	

Product name OG2525 CCN 10.000000MHz H C B D D J

(Standard form) 1 2 3 456789

①Model ②Output(C:CMOS) ③Frequency ④Supply voltage(H:5V) ⑤Aging(C: ±100 x 10⁻⁹ / year)
 ⑥Operating temperature(B:-20 to +70°C) ⑦Frequency / temperature characteristics(D: ±50 x 10⁻⁹ Max.)
 ⑧Option(D:Electric Frequency Control) ⑨Internal identification code

External dimensions



Pin map

Pin	Connection			
#1	Output			
#2	GND/Case			
#3	#3 Vcont			
#4	N.C			
#5	Vcc			

There should be no patterns under 4a pins(EPSON use), on customer's PCB.

(Unit:mm)

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

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.

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.
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