Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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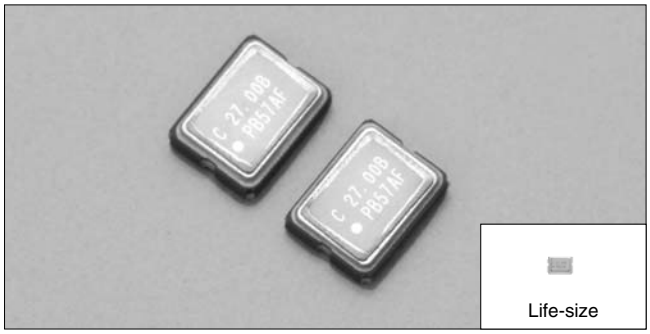
PROGRAMMABLE OSCILLATORS (SMD • Ceramic Package)

CITIZEN Micro HumanTech

CSX–325P SERIES

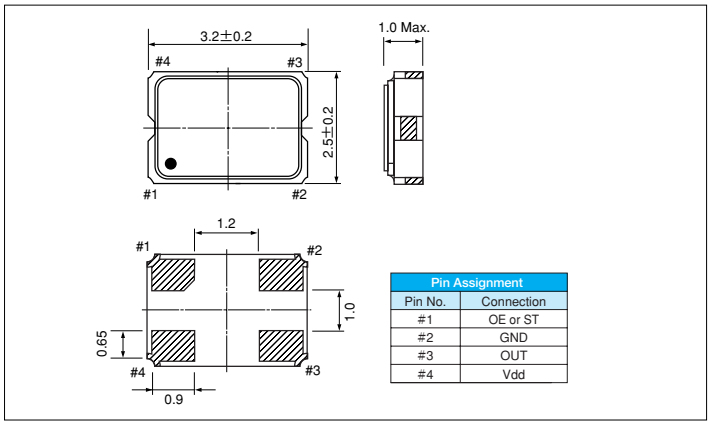
2000pcs/reel



■FEATURES

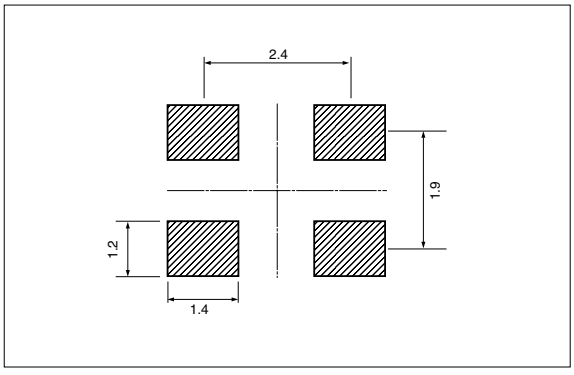
- Wide range of output frequency by PLL technology.
- Quick sample delivery and short lead time in mass production.
- Automatic mounting and reflowable type.
- Low current consumption with output enable function (OE) or stand by function (STAND-BY).
- Suitable for various applications such as communication devices, AV devices, automotive devices and measuring instruments.

■DIMENSION [mm]



Pin Assignment	
Pin No.	Connection
#1	OE or ST
#2	GND
#3	OUT
#4	Vdd

■SOLDER PAD LAYOUT [mm]



■STANDARD SPECIFICATIONS

*Model is determined by the selection for the output enable function or atand by, the frequency stability and the supply voltage.

Item \ Model	OE / STAND-BY	CSX–325 PC(*) / CSX–325 PD(*)	CSX–325 PB(*) / CSX–325 PJ(*)
Frequency Range		1.000MHz ～ 125.000MHz	
Supply Voltag		Vdd : 5.0V±0.5V	Vdd : 3.3V±0.3V
Frequency Stability		B : ±50ppm, C : ±100ppm, E : ±50ppm(−40℃～+85℃), F : ±100ppm(−40℃～+85℃)	
Operating Temperature Range		−20℃～+70℃ (−40℃～+85℃)	
Storage Temperature Range		−55℃～+125℃	
Current consumption	(No load)	40mA Max.	25mA Max.
Duty	CMOS level (1/2 Vdd)	40～60%	
Output Voltage	V_{OH}	Vdd−0.4V Min.	
	V_{OL}	0.4V Max	
Output Load		CMOS 15pF Max.	
Rise and Fall Time	0.2Vdd⇔0.8Vdd	4 nsec Max.	
Start-up time		10 msec Max.	
Input Voltage	V_{IH}	2.0V Min.	0.7Vdd Min.
	V_{IL}	0.8V Max.	0.2Vdd Max.
Disable current		30mA Max.	15mA Max.
Stand-by current		50 μA Max.	
Aging (first year)		±2ppm / year Max.	

http://www.citizen.co.jp/english/crystal/index.html