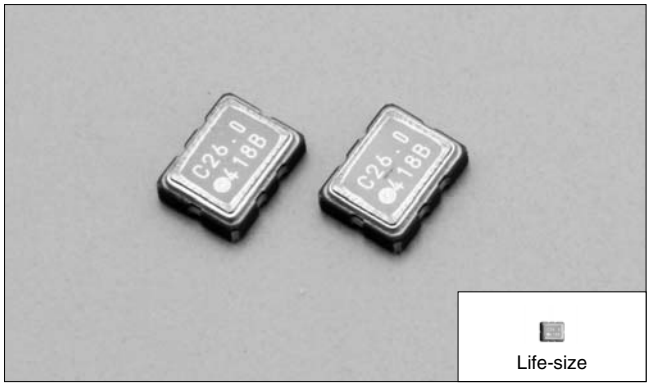
CITIZEN Micro HumanTech

CSX-325T

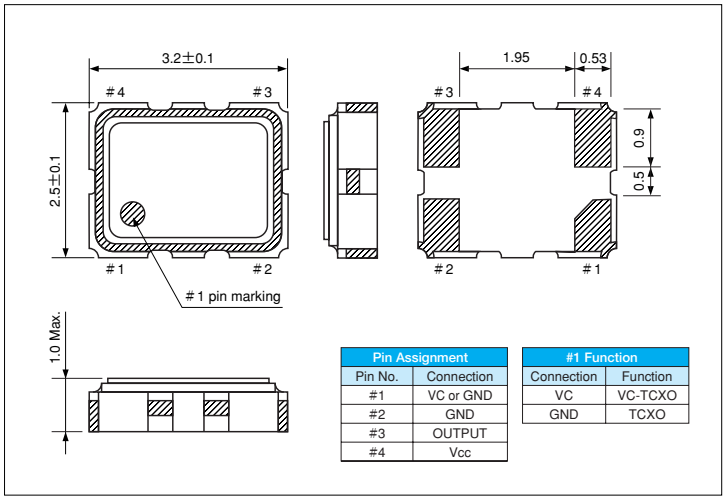
2000pcs/reel



■FEATURES

- High-density SMD type.
  Ultra-light weight and ultra-miniature size.
- With the function of frequency and voltage control.
- Available in 1.8V ultralow voltage drive.
- Low current consumption.
- Automatic mounting and reflowable type.
- Most appropriate for cellular phone, GPS and other equipment with telecommunication devices.

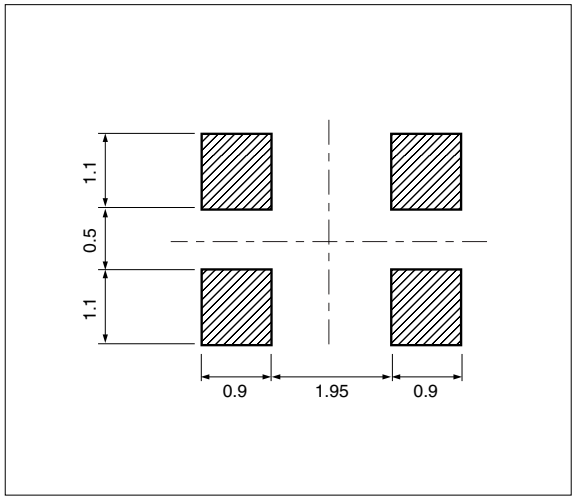
■DIMENSION [mm]



Pin Assignment	
Pin No.	Connection
#1	VC or GND
#2	GND
#3	OUTPUT
#4	Vcc

#1 Function	
Connection	Function
VC	VC-TCXO
GND	TCXO

■SOLDER PAD LAYOUT [mm]



■STANDARD SPECIFICATIONS

Item \ Model		CSX-325T			
Nominal Frequency	f_0	13.0MHz , 16.0MHz	19.2MHz	23.104MHz , 26.0MHz , 32.0MHz , 33.6MHz , 38.4MHz	52.0MHz
Frequency Stability	$\triangle f/f_0$	±2.5ppm /（−30℃～+75℃）			
Operating Temperature Range	T_{OPR}	−30℃～+75℃			
Storage Temperature Range	T_{STR}	−40℃～+85℃			
Supply Voltage	V_{dd}	1.8V ～ 3.0V			
Frequency adjustment range	$\triangle f_{VC}$	±8ppm Min. /（Vcont=V_{dd}/2±1.0V）			
Current consumption	I_{dd}	1.5mA Max		2.0mA Max	2.5mA Max
Output Voltage	V_{OUT}	0.8Vp-p Min.（10kΩ/10pF）			
Start-up time	T_{ST}	5.0 msec Max.	3.5 msec Max.		
Aging (first year)	F_A	±1.0ppm / year Max.			

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