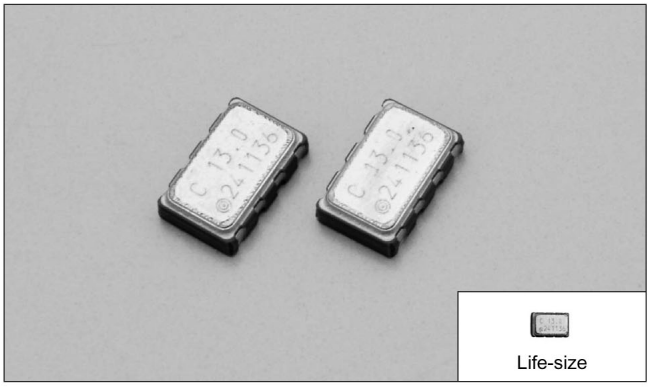
TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR (SMD • Ceramic Package)

CITIZEN

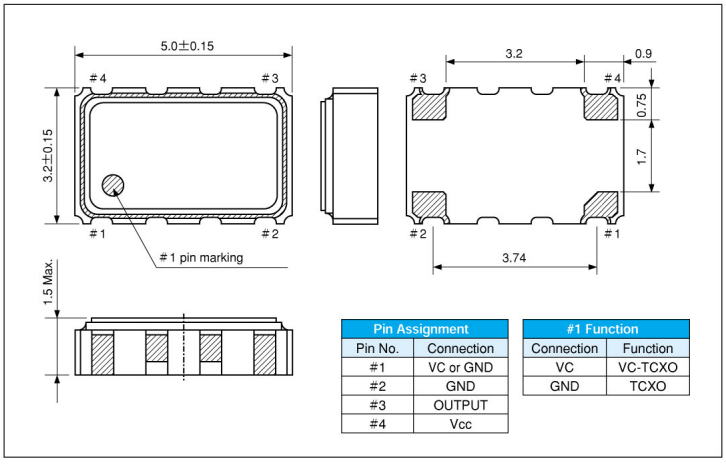
RoHS Compliant Standard **CSX532T** 2000pcs/reel



■FEATURES

- With the function of frequency and voltage control .
- Available in 2.4V low voltage drive.
- Low current consumtion.
- Automatic mounting and reflowable Type.
- Complete Pb free product.
- Most appropriate for Cellular phone, GPS and other equipment with telecommunication devices.

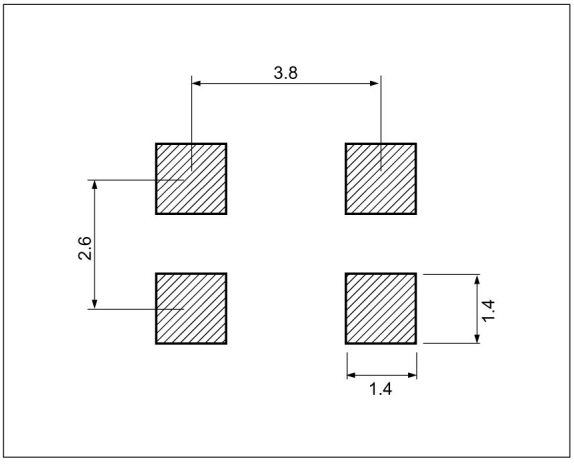
■DIMENSION [mm]



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		CSX532T			
Nominal Frequency	f_0	12.8MHz , 13.0MHz	14.4MHz	16.8MHz , 19.2MHz , 19.68MHz , 19.8MHz	26.0MHz
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}	2.4V ～ 3.0V			
Frequency adjustment range	$\triangle f_C$	±8ppm Min. /（Vcont=V_{dd}/2±1.0V）			
Current consumption	I_{dd}	1.0mA Max.	1.2mA Max.		1.5mA 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.			