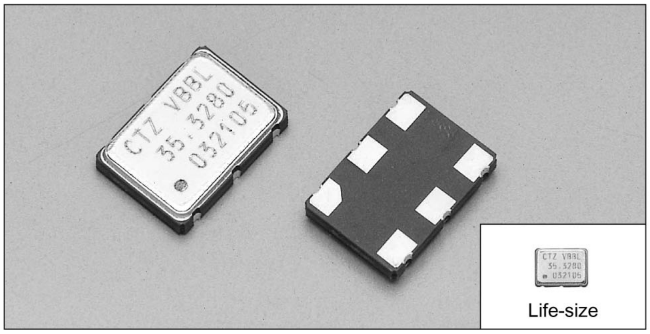
CITIZEN

VOLTAGE CONTROLLED CRYSTAL OSCILLATORS (SMD・Ceramic Package)

RoHS Compliant Standard

CSX750V SERIES

2000pcs/reel

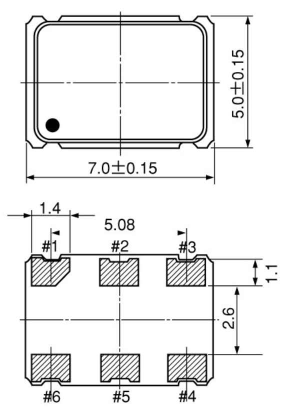


Life-size

■FEATURES

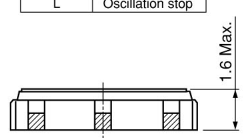
- Available to Supply Voltage 5.0V or 3.3V.
- Automatic mounting and reflowable Type.
- Complete Pb free products.
- Most appropriate for communication devices and other equipment.
- Output enable function (OE) can be used for low power consumption.

■DIMENSION [mm]

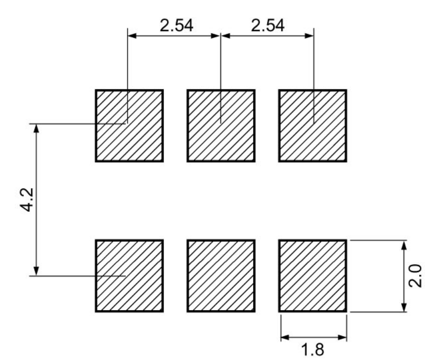


Pin Assignment	
Pin No.	Connection
#1	VC
#2	NC
#3	GND
#4	OUT
#5	OE
#6	Vdd

Function	
#5 input	#4 Output condition
H	Oscillation out
Open	Oscillation out
L	Oscillation stop



■SOLDER PAD LAYOUT [mm]



■STANDARD SPECIFICATIONS

＊Model is determined by the supply voltage and the frequency stability.

Item \ Model		CSX750 VC(＊)	CSX750 VB(＊)
Frequency Range		2.000MHz ～ 40.000MHz	
Supply Voltag		Vdd : 5.0V±0.5V	Vdd : 3.3V±0.165V
Frequency Stability	(＊)	B : ±50ppm (−10℃～+70℃), E : ±50ppm (−40℃～+85℃)	
Operating Temperature Range		−40℃～+85℃	
Storage Temperature Range		−45℃～+90℃	
Pulling range		±100ppm Min. / Vc=2.5±2.0V	±90ppm Min. / Vc=1.65±1.65V
Frequency control voltage		2.5±2.0V (at 25℃)	1.65±1.65V (at 25℃)
Current consumption		30mA Max.	11mA Max.
Linearity		10% Max.	
Duty	TTL level (1.4V)	45～55%	—
	CMOS level (1/2 Vdd)	45～55%	45～55%
Output Voltage	V_{OH}	Vdd−0.4V Min.	
	V_{OL}	0.4Vdd Max.	
Output Load	TTL	2TTL Max.	—
	CMOS	30pF Max.	30pF Max.
Rise and Fall Time	(tr,tf)	6 nsec Max.	
Start-up time		4 msec Max.	
Modulation band width		10kHz Min. (Gain−3dB)	
Phase Noise		−120dBc/Hz Max. (Offset 1kHz)	

VCXO Part Numbering System

Example Part Number:

CSX750 VBBL 35.328M -UT

Product Family

For example:
CSX750

Frequency

Numerical Value, maximum characters as follows:

XX.XXXXXX
followed by "M" for MHz

Packaging method

TR Tape & Reel

B Bulk

-UT RoHS Compliant Tape & Reel

-UB RoHS Compliant Bulk

	Frequency Range	Voltage	Stability	Pullability
VCB	2.430 - 35.328MHz	5V	+/-50ppm (-10 to +70°C)	+/-100ppm (Std)
VCE	2.430 - 35.328MHz	5V	+/-50ppm (-40 to +85°C)	+/-100ppm
VBB	2.430 - 35.328MHz	3.3V	+/-50ppm (-10 to +70°C)	+/-90ppm (Std)
VBE	2.430 - 35.328MHz	3.3V	+/-50ppm (-40 to +85°C)	+/-90ppm