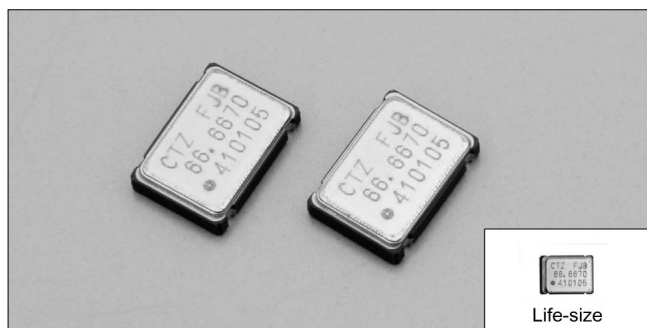


CLOCK OSCILLATORS (SMD • Ceramic Package)

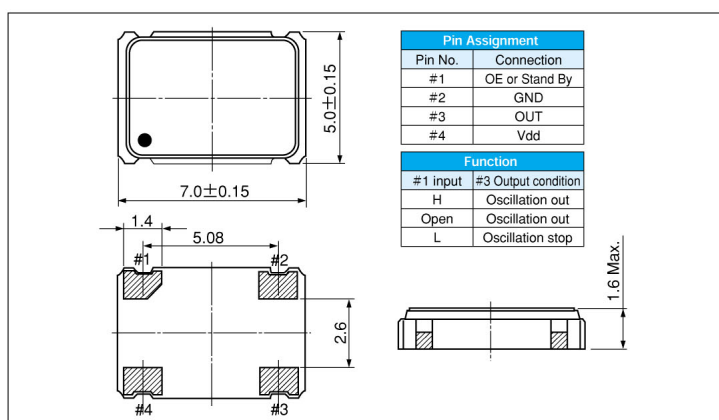
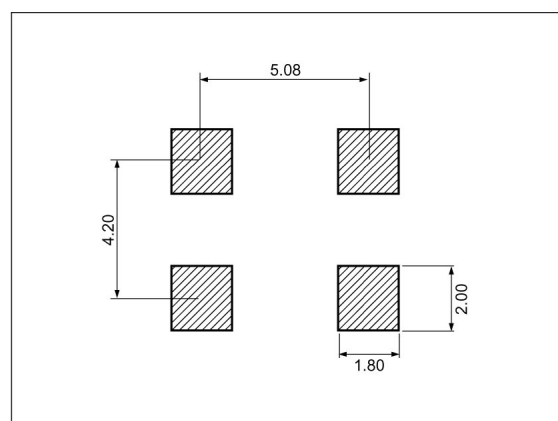
RoHS Compliant Standard

CSX750F SERIES

2000pcs/reel

**FEATURES**

- Available to Supply Voltage 5.0V or 3.3V.
- Low current consumption with output enable function (OE) or stand by function (STAND-BY).
- Automatic mounting and reflowable Type.
- Complete Pb free products.
- Suitable for various applications such as communication devices, AV devices, automotive devices and measuring instruments.

DIMENSION [mm]**SOLDER PAD LAYOUT [mm]****STANDARD SPECIFICATIONS**

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

Item	Model	OE		CSX750 FC (※)		CSX750 FB (※)					
		STAND-BY						CSX750 FJ(※)			
Frequency Range			1.000MHz~39.999MHz		40.000MHz~75.000MHz		1.000MHz~39.999MHz	40.000MHz~54.000MHz	40.000MHz~80.000MHz		
Supply Voltag			Vdd : 5.0V±0.5V			Vdd : 3.3V±0.3V					
Frequency Stability			(※)		C : ±100ppm(−20℃~+70℃), B : ±50ppm(−20℃~+70℃), F : ±100ppm(−40℃~+85℃)						
Operating Temperature Range			−40℃~+85℃								
Storage Temperature Range			−55℃~+125℃								
Current consumption			25mA Max.		45mA Max.		15mA Max.		25mA Max.		
Duty			TTL level (1.4V)		40~60%		—				
			CMOS level (1/2 Vdd)		45~55%						
Output Voltage			VOH		0.9Vdd Min.						
			VOL		0.4V Max.		0.1Vdd Max.				
Output Load			TTL		10TTL Max.		—				
			CMOS		50pF Max.		30pF Max.		15pF Max.	30pF Max.	
Rise and Fall Time			tr, tf		8 nsec Max.		6 nsec Max.		8 nsec Max.	6 nsec Max.	
Start-up time					4 msec Max.		10 msec Max.		4 msec Max.	10 msec Max.	
Input Voltage			VIH		2.0V Min.			0.7Vdd Min.		0.7Vdd Min.	
			VIL		0.8 V Max.		0.4V Max.		0.3Vdd Max.	0.3Vdd Max.	
Disable current					10mA Max.		20mA Max.		5mA Max.	5mA Max.	—
Stand-by current					—		—		—	10 μA Max.	

XO Part Numbering System

Example Part Number:

CSX750 FB C 25.000M -UT

Product Family

For example:

CSX750
CSX325

Frequency

Numerical Value,
maximum characters as
follows:

XXX.XXXXXX
followed by "M" for MHz

Packaging method

-UT RoHS Compliant
Tape & Reel

-UB RoHS Compliant
Bulk

Frequency Tolerance [at Operating Temp.]

B $\pm 50\text{ppm}$ (-20 to +70°C)
C $\pm 100\text{ppm}$ (-20 to +70°C) (Std)
F $\pm 100\text{ppm}$ (-40 to +85°C)
G $\pm 200\text{ppm}$ (-40 to +85°C)

CSX750	Frequency Range	Voltage	Load Condition
Fixed Frequency:			
FC	1.000 - 66.667MHz	5V	TTL/CMOS
FB	1.000 - 39.999MHz	3.3V	CMOS
FJ	40.000 - 80.000MHz	3.3V	CMOS
Programmable Frequency:			
PT	1.000 - 125.000MHz	5V	TTL
PC	1.000 - 125.000MHz	5V	CMOS
PB	1.000 - 100.000MHz	3.3V	CMOS

CSX325

Fixed Frequency:

FJ	12.500 - 54.000MHz	3.3V	CMOS
FH	12.500 - 54.000MHz	2.5V	CMOS

Programmable Frequency:

PC	1.000 - 125.000MHz	5V	CMOS
PB	1.000 - 125.000MHz	3.3V	CMOS