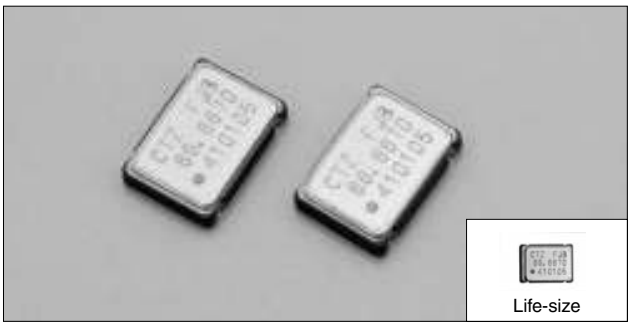
CRYSTAL CLOCK OSCILLATORS (SMD • Ceramic Package)

CITIZEN Micro HumanTech

RoHS compliant

CSX–750F SERIES

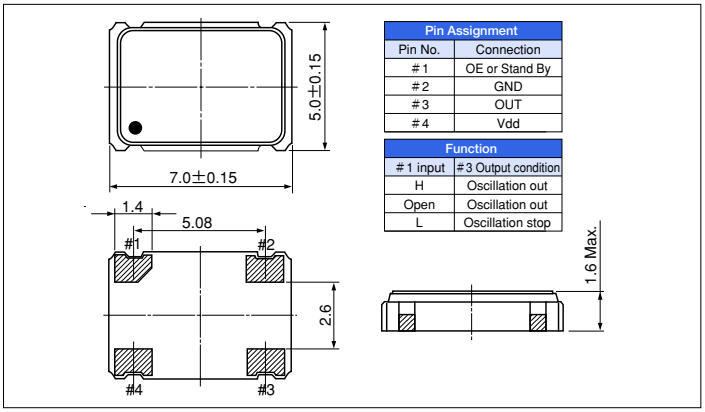
2000pcs/reel



■ FEATURES

- Available to supply voltage 5.0V or 3.3V.
- Low current consumption with output enable function (OE) or stand by function (STAND-BY).
- Suitable for various applications such as communication devices, AV devices and measuring instruments.

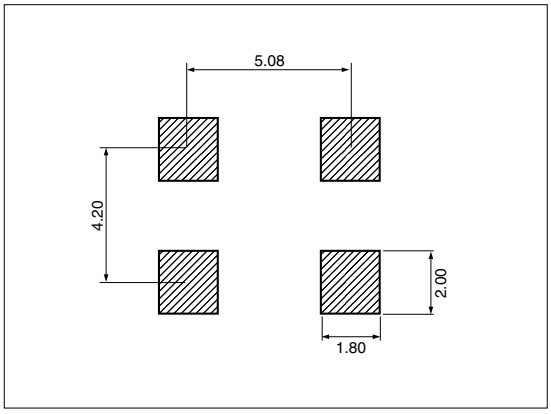
■ DIMENSION [mm]



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

Function	
#1 input	#3 Output condition
H	Oscillation out
Open	Oscillation out
L	Oscillation stop

■ 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 / STAND-BY	CSX–750 FC(*)		CSX–750 FB(*)	CSX–750 FJ(*)
Frequency Range		1.8432MHz~39.999MHz	40.000MHz~75.000MHz	1.8432MHz~39.999MHz	40.000MHz~80.000MHz
Supply Voltage		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		25mA Max.	45mA Max.	15mA Max.	25mA Max.
Duty	TTL level (1.4V)	40~60%		—	
	CMOS level (1/2 Vdd)	45~55%			
Output Voltage	V_{OH}	0.9Vdd Min.			
	V_{OL}	0.4V Max.		0.1Vdd Max.	
Output Load	TTL	10TTL Max.		—	
	CMOS	50pF Max.		30pF Max.	30pF Max.
Rise and Fall Time		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	V_{IH}	2.0V Min.			0.7Vdd Min.
	V_{IL}	0.8 V Max.		0.4V Max.	0.3Vdd Max.
Disable current		10mA Max.	20mA Max.	5mA Max.	—
Stand-by current		—			10 μA Max.

http://cfm.citizen.co.jp/english/product/pr02.html

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