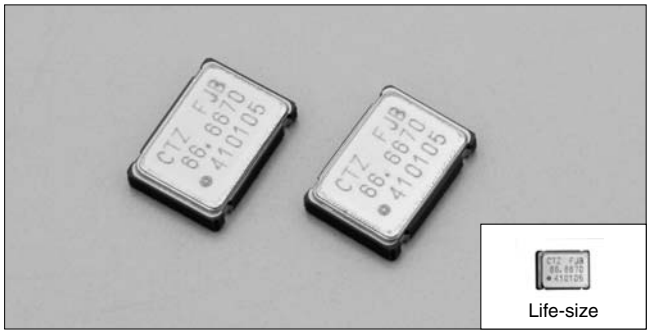
CLOCK OSCILLATORS (SMD • Ceramic Package)

CITIZEN Micro HumanTech

RoHS Compliant Optional

CSX–750F SERIES

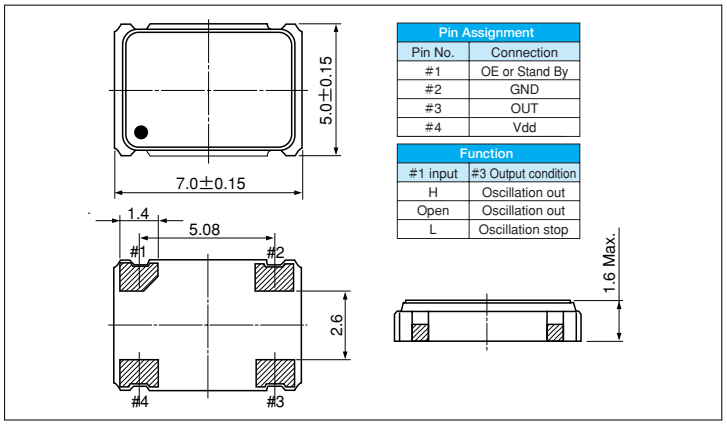
2000pcs/reel



■FEATURES

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

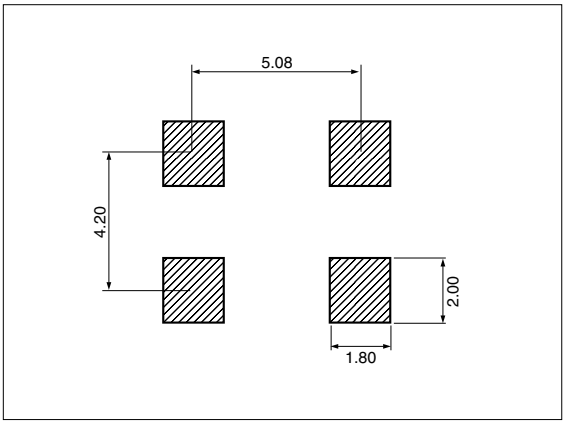
■DIMENSION [mm]



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		1.000MHz~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	V_{OH}	0.9Vdd Min.				
	V_{OL}	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	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://www.citizen.co.jp/crystal/index.html