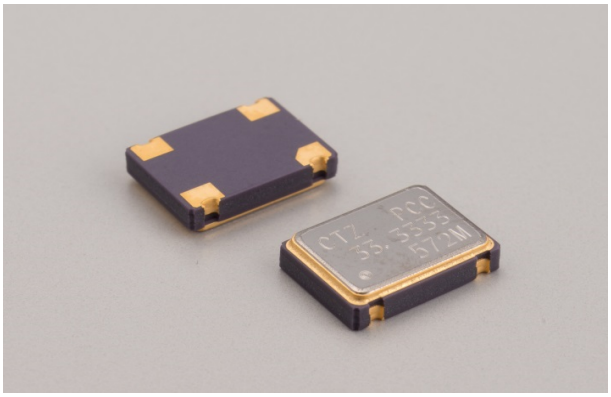
CITIZEN

PROGRAMMABLE OSCILLATORS (SMD · Ceramic Package)

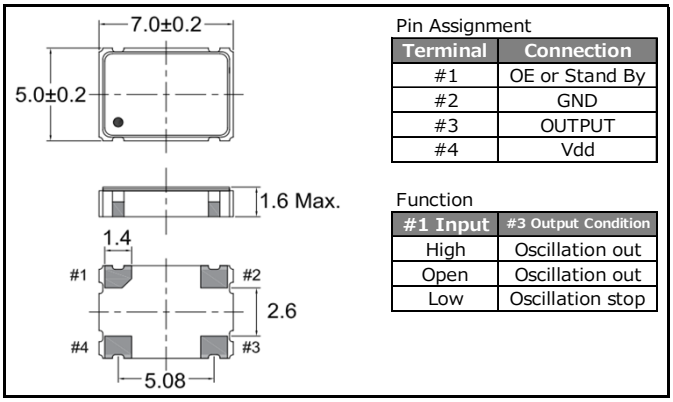
RoHS compliant / Pb free | **SSX-750P** | **2,000pcs/reel**



■ FEATURES

- Programmable type
- Frequency range : 1.0 ～ 125MHz
- External dimensions (mm)
  L : 7.2 x W : 5.2 x H : 1.6
- Applications
  Consumer products

■ DIMENSION [mm]



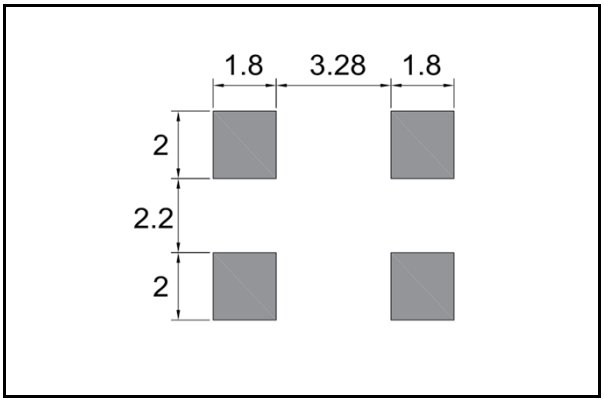
Pin Assignment

Terminal	Connection
#1	OE or Stand By
#2	GND
#3	OUTPUT
#4	Vdd

Function

#1 Input	#3 Output Condition
High	Oscillation out
Open	Oscillation out
Low	Oscillation stop

■ SOLDER PAD LAYOUT [mm]



■ STANDARD SPECIFICATIONS

*Model is determined by selection of OE/ST functions, frequency stability, and supply voltage.

Item \ Model	OE	SSX-750PT (*)	SSX-750PC (*)	SSX-750PB (*)
	STAND-BY	SSX-750PK (*)	SSX-750PD (*)	SSX-750PJ (*)
Frequency Range		1.000MHz ～ 125.000MHz		
Supply Voltage		Vdd : 5.0V±0.5V		Vdd : 3.3V±0.3V
Frequency Stability (*)		B : ±50ppm (−20℃ ～ +70℃), C : ±100ppm (−20℃ ～ +70℃) E : ±50ppm (−40℃ ～ +85℃), F : ±100ppm (−40℃ ～ +85℃)		
Operating Temperature Range		−20℃ ～ +70℃ / (−40℃ ～ +85℃)		
Storage Temperature Range		−55℃ ～ +125℃		
Current consumption		45mA Max.		28mA Max.
Duty	TTL level (1.4V)	40～60%	—	
	CMOS level (1/2 Vdd)	—	40～60%	
Output Voltage	V_{OH}	Vdd−0.4V Min.		
	V_{OL}	0.4V Max.		
Output Load	TTL	5TTL Max.	—	
	CMOS	—	25pF Max.	15pF Max.
Rise and Fall Time		4 nsec Max.		
Start-up time		10 msec Max.		
Input Voltage	V_{IH}	2.0V Min.		0.7Vdd Min.
	V_{IL}	0.8V Max.		0.2Vdd Max.
Disable current		30mA Max.		16mA Max.
Stand-by current		50 μA Max.		

CITIZEN

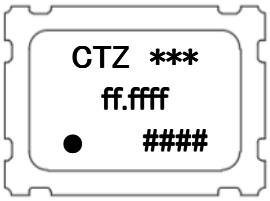
■ PART NUMBERING SYSTEM

SSX-750P T B 20000000 T - □□□

Model	Frequency Stability Operating Temp. Range		Frequency	Package specification		CITIZEN management code
Please specify the model by referring to STANDARD SPECIFICATIONS.	B	±50ppm (−20℃ ～ +70℃)	Please specify the frequency in Hz.	T	Only Tape & Reel	Ref. Code for internal use.
	C	±100ppm (−20℃ ～ +70℃)				
	E	±50ppm (−40℃ ～ +85℃)				
	F	±100ppm (−40℃ ～ +85℃)				

*Please contact us for specifications available.

■ Part Marking [standard]



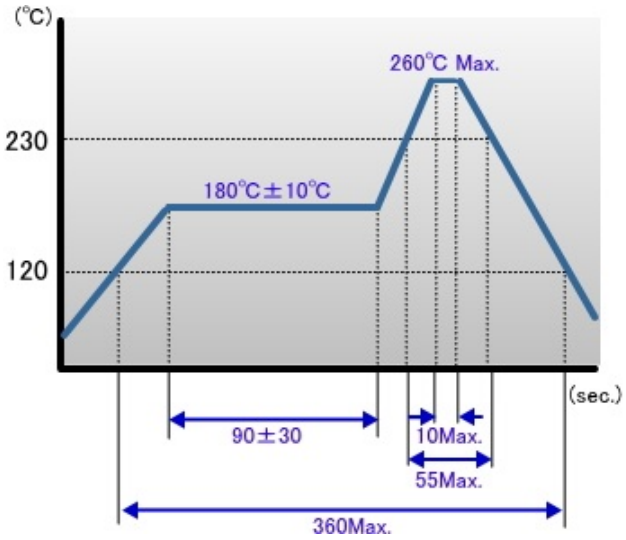
CTZ : Manufacture's ID Code

*** : Model

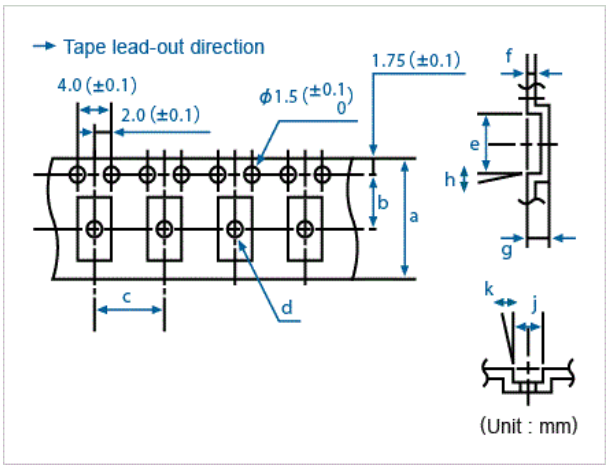
f : Frequency

: Production Lot No.

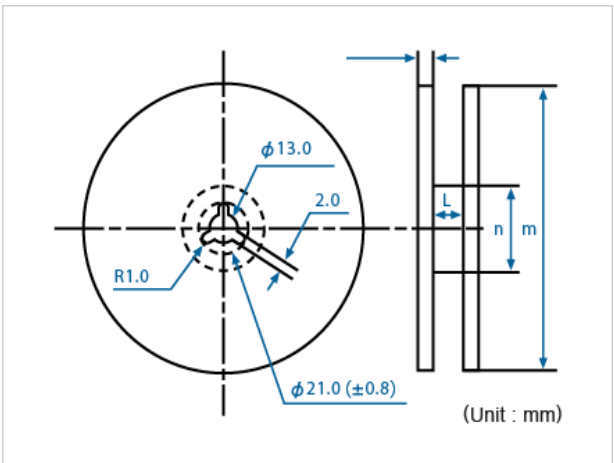
■ Reflow profile



■ Packing



Conforming to JIS C 0806 TB1208NEIAJ and RC-1009B TE1208N



Conforming to JIS C 0806 R12R and EIAJ RC-1009B R15

Q'ty/reel	a	b	c	d (φ)	e	f	g	h	j	k	l	m (φ)	n (φ)
2,000	16.0	7.5	8.0	1.55	7.4	0.3	2.0	5°	5.4	5°	17.5	254	100

Rev.1