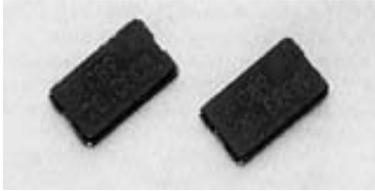


# CRYSTAL CLOCK OSCILLATOR (CERAMIC SURFACE MOUNT TYPE)

# CITIZEN

(1,000 piece reel)

## CSX532FBC



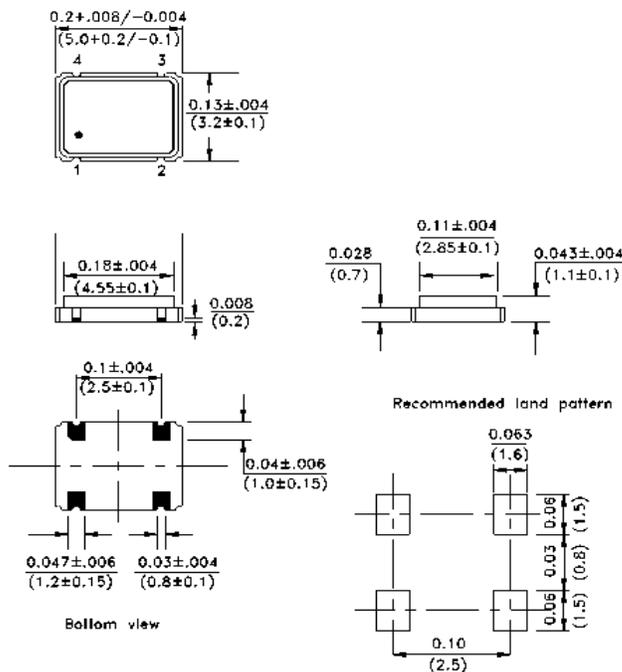
### ■ FEATURES:

- Miniature Ceramic MHz Oscillator
- Low Power Consumption
- Reflowable Lead-Free product

### ■ APPLICATIONS:

- Low Profile Equipment
- Battery Operated Devices

### ■ DIMENSIONS: (Unit=mm)



PIN	FUNCTION
1	Tri State
2	GND
3	Output
4	VDD

Specifications	
Frequency Range	1MHz - 133.33MHz
Frequency Stability	+/-100ppm (+/-50ppm available)
Operating temperature	-40C to +85C
Storage temperature	-50C to +125C
Supply Voltage (Vdd)	VDD 3.3V +/-10%
Supply Current (Idd)	12mA max for F <33Mhz 25mA max for F <50Mhz 35mA max for F <70Mhz 60mA max for F <133.33Mhz
Duty Cycle	40 / 60% max
Rise and Fall Times	6nS max
Output Load	5TTL or 15pF for F <70Mhz
Output Voltage	VOH = 0.9Vdd min
Output Voltage	VOL = 0.1Vdd max
Start-up Time	10 mS max
Aging (First year)	+/-5 ppm @ 25C