

ECX-6 CSM-8

The ECX-6 and CSM-8 are our newest ultra-miniature crystal resonators. Both offer high-precision and a high frequency range. The ECX-6 has a case height of only 1.5mm.

The CSM-8 is available in three separate land patterns and is available on pocketed tape and reel.

The ceramic package offers superior environmental characteristics.

FEATURES:

- Tight stability
- High reliability
- High frequency fundamental
- Three optional footprints

ELECTRICAL SPECIFICATIONS

ITEM	TYPE	ECX-6	CSM-8	
Frequency Range		14.3~40.0MHz	10.0~40.0MHz	40.1~105.0MHz
Mode		Fundamental	Fundamental	3rd/5th
Load Capacitance		Series, 12pF ~ 32pF	Series, 12pF ~ 32pF	Series
Drive Level		100μW	100μW	100μW
Frequency Tolerance		±50, ±100ppm	±10, ±20, ±30, ±50ppm	±10, ±20, ±30, ±50ppm
Resistance at Series Resonance		40 Ohms max.	40~60Ω Max.	60~80Ω Max.
Frequency Stability		±50, ±100ppm	±10, ±20, ±30, ±50ppm	±10, ±20, ±30, ±50ppm
Operating Temp. Range		-10 ~ +70°C	-10 ~ +50°C	-10 ~ +60°C
Storage Temp. Range		-30 ~ +80°C	-30 ~ +80°C	-30 ~ +80°C

DIMENSIONS (MM)

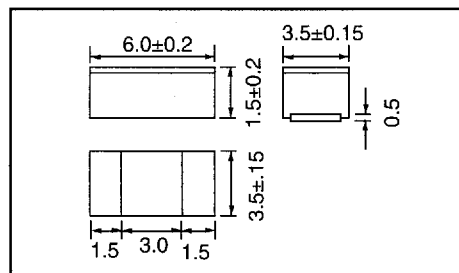


Fig 1) ECX-6 Dimensions

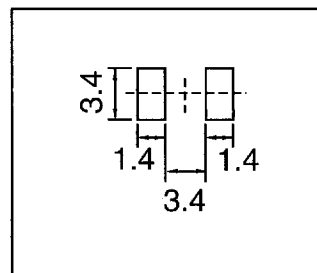


Fig 2) ECX-6 Land Pattern

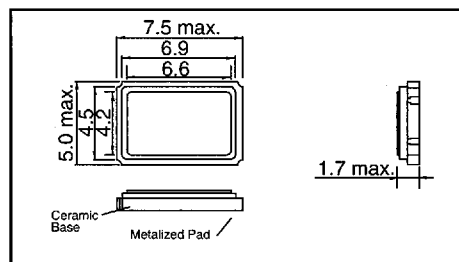


Fig 3) CSM-8 Dimensions

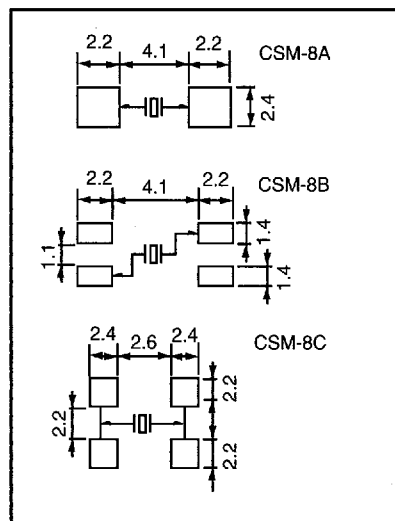


Fig 4) Land Pattern

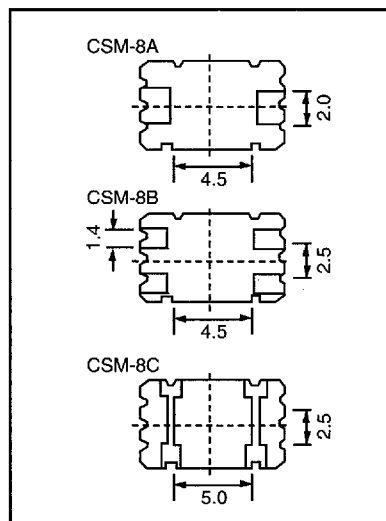


Fig 5) Pad Configurations

Note: CSM-8B is available in 1.05, 1.2 and 1.3mm maximum package height.
This enclosure is ceramic with metal cap. All other enclosures on this data sheet are ceramic.