

ELECTRICAL SPECIFICATIONS

ITEM \ TYPE	CSM-12	CSM-7
Frequency Range	3.5~25.0MHz	3.5~70.0MHz
Mode	Fundamental	Fundamental, 3rd O.T.
Load Capacitance	Series, 12pF ~ 32pF	Series, 12pF ~ 32pF
Drive Level	500μW	500μW
Frequency Tolerance	±50ppm, ±100 ppm max.	±50 ppm, ±100 ppm
Resistance at Series Resonance	100 ~ 200 OHMs Frequency Dependant	30 ~ 150 OHMS Frequency Dependant
Frequency Stability	±50 ppm, ±100 ppm	±50 ppm, ±100 ppm
Operating Temp. Range	-10° ~ +70°C	-10° ~ +70°C
Storage Temp. Range	-30° ~ +80°C	-30° ~ +80°C

Note: CSM-12 frequencies above 25.00^m available upon request. Package enclosure is ceramic.

Note: CSM-7 is an all metal enclosure.

DIMENSIONS (MM)

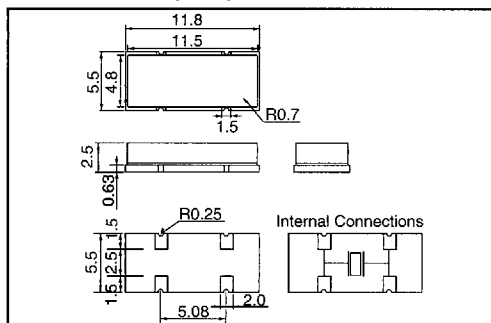


Fig 1) CSM-12 Dimensions

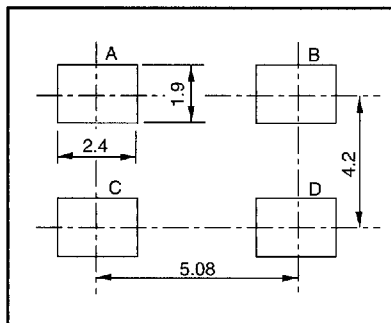


Fig 2) CSM-12 Land Pattern

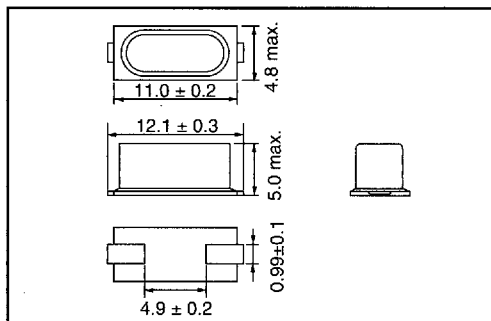


Fig 3) CSM-7 Dimensions

Note: Available in 4.3mm and 3.2mm maximum height.

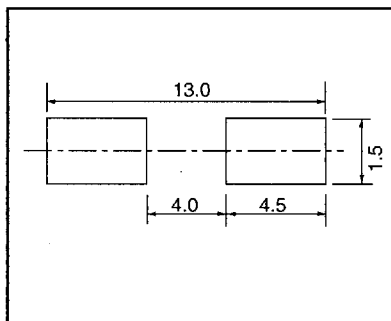
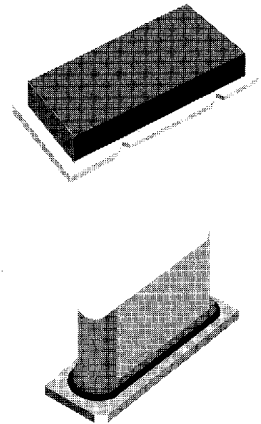


Fig 4) CSM-7 Land Pattern



CSM-12
CSM-7

ECS's CSM-12 and CSM-7 are excellent choices for the larger versions of our miniature crystal resonator. The CSM-12 has a case height of 2.5mm. The CSM-7 is relatively larger at 5mm maximum.

FEATURES:

- Cost effective
- Space saving design
- Low profile