

Features

- . C series is a surface mount type crystal unit.
- . 2 types (S2: 3.0mm & S3: 3.8mm height) can be optionable by customer.
- . A great number of standard frequencies .
- . High frequency pullability and low equivalent series resistance.
- . The best choice of PC,STB ,LCDM and Cable Modem



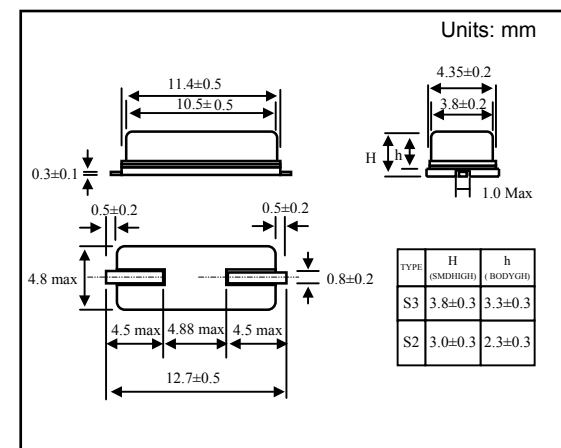
Electrical Specifications

Item	Type	9CS2,9CS3
Frequency Range		3.2 ~ 70MHz
Frequency Tolerance (at 25 °C)		± 30 ppm or customer specify
Frequency Stability Over Operating Temperature Range		± 30 ppm or customer specify
Operating Temperature Range		-10 ~ +60°C or customer specify
Shunt Capacitance (C0)		7 pF Max.
Driver Level		1 ~ 500 uW (100 uW typical)
Load Capacitance		Series, 16pF, 20pF, 30pF, 32pF or specify
Aging		± 3ppm per year Max.
Storage Temperature Range		-40 ~ +85°C

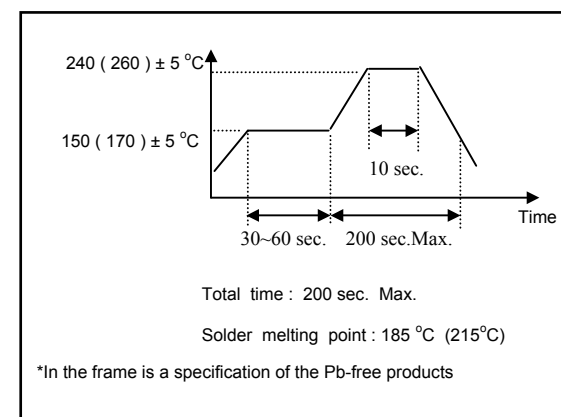
Equivalent Series Resistance (ESR)

Fundamental		3rd Overtone	
3.2 ~ 3.685Mhz	200 ohms max.	27 ~ 30Mhz	100 ohms max.
3.686 ~ 4.9Mhz	150 ohms max.	30 ~ 50Mhz	80 ohms max.
5 ~ 9.99Mhz	80 ohms max.	50 ~ 90Mhz	60 ohms max.
10 ~ 14Mhz	40 ohms max.		
14.001 ~ 30Mhz	30 ohms max.		

Dimensions



Reflow Condition



Remark: Specification subject to change without prior notice. Please confirm with our sales.