

■ Features

- Resistance welded type crystal units.
- High frequency stability and reliability.
- A great number of standard frequencies and wide frequency range.
- Higher frequency pullability and lower equivalent series resistance.
- Lower cost and highly mass production capacity.
- The best choice of TV,STB ,LCDM and Cable Modem
- Lead free parts are available for option.



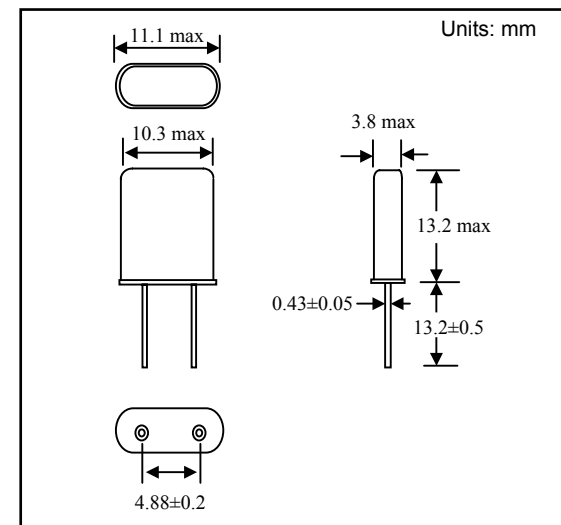
■ Electrical Specifications

Item	Type	9A
Frequency Range		1.843 ~ 200MHz
Frequency Tolerance (at 25 °C)		± 30 ppm or customer specify
Frequency Stability Over Operating Temperature Range		± 30 ppm or customer specify
Operating Temperature Range		-20 ~ +70°C or customer specify
Shunt Capacitance (C0)		7 pF Max.
Driver Level		1 ~ 1000 uW (100 uW typical)
Load Capacitance		Series, 16pF, 20pF, 30pF, 32pF or specify
Aging		± 3ppm per year Max.
Storage Temperature Range		-40 ~ +85°C

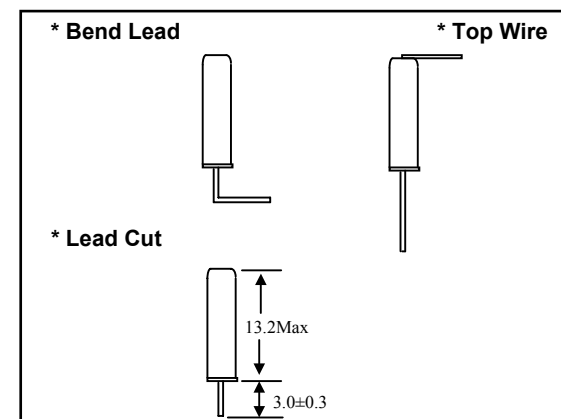
■ Equivalent Series Resistance (ESR)

Fundamental		3rd Overtone		5th Overtone	
1.843 ~ 2.399Mhz	600 ohms max.	25 ~ 40Mhz	50 ohms max.	80 ~ 100Mhz	100 ohms max.
2.400 ~ 3.299Mhz	400 ohms max.	40 ~ 80Mhz	40 ohms max.	100 ~ 200Mhz	60 ohms max.
3.300 ~ 3.999Mhz	150 ohms max.	80 ~ 120Mhz	50 ohms max.		
4 ~ 10Mhz	80 ohms max.				
10 ~ 30Mhz	20 ohms max.				

■ Dimensions



■ Package for option



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