



### 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 capability.
- > The best choice of TV, STB, LCDM and Cable Modem.
- > RoHS Compliant / Pb Free

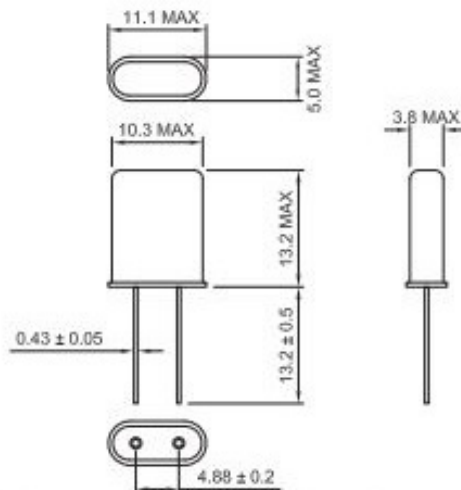
### Electrical Specifications

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

### Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone		5th Overtone	
1.8432 ~ 2.4 MHz	600 Ω Max.	25 ~ 40 MHz	50 Ω Max.	80 ~ 100 MHz	100 Ω Max.
2.4 ~ 3.3 MHz	400 Ω Max.	40 ~ 80 MHz	40 Ω Max.	100 ~ 200 MHz	60 Ω Max.
3.3 ~ 4.0 MHz	150 Ω Max.	80 ~ 120 MHz	50 Ω Max.		
4 ~ 10 MHz	80 Ω Max.				
10 ~ 30 MHz	20 Ω Max.				

### Dimensions



Units:mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>