

# SMD Seam Sealing Crystals

## 1.6 x 1.2 x 0.35 mm 8Q Series



### Features

- Extremely small SMD type crystal units.
- Application for smart phone, sip module, variety of compact portable consumer products reference clocks.
- High precision and high frequency stability.
- High reliable environmental performance.
- RoHS Compliant / Pb Free.

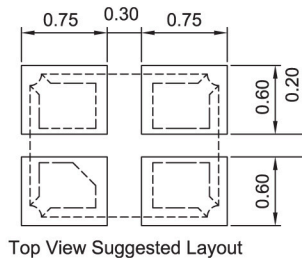
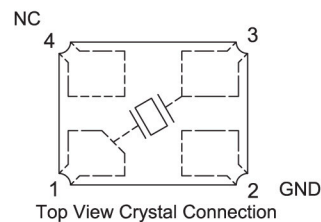
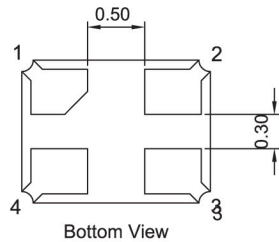
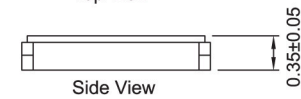
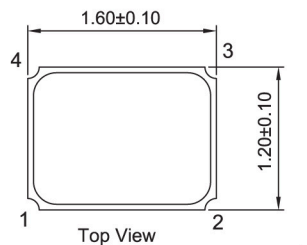
### Electrical Specifications

Item / Type	8Q
Frequency Range	20 ~ 54 MHz
Frequency Tolerance (at 25 °C)	± 10 ppm
Frequency Stability Over Operating Temperature Range	± 10 ppm
Operating Temperature Range	-20 ~ + 70 °C
Shunt Capacitance (C0)	3 pF Max.
Drive Level	1 ~ 200 μW ( 50 μW typical)
Load Capacitance	8 pF, or specify
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 40 ~ + 85 °C

### Equivalent Series Resistance(ESR)

Fundamental	
20 ~ 24 MHz	150 Ω Max.
24 ~ 30 MHz	100 Ω Max.
30 ~ 54 MHz	80 Ω Max.

### Dimensions



Units: mm

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