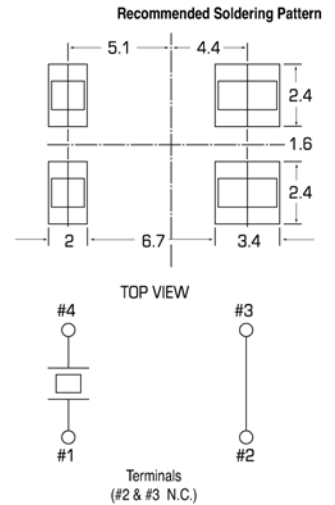
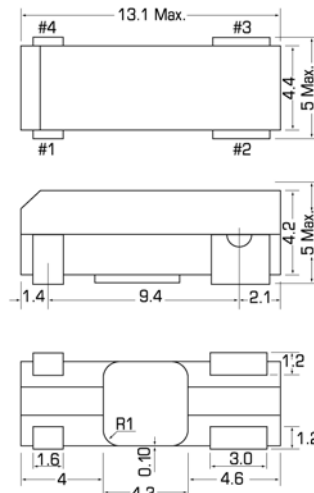


Electrical Specifications

Frequency Range	3.5 MHz ~ 80.000 MHz
Frequency Tolerance	±50ppm Standard
Frequency Stability	±100ppm 0°C ~ 70°C Standard
Operating Range	-10°C ~ 60°C Standard
Load Capacitance	Series Resonance or Parallel
Shunt Capacitance	7pF Max.
Drive Level	50uW to 100uW
Insulation Resistance	500 megohms Min.
Aging	±5ppm Max. / Year
Reflow	10 Seconds Max. @ +235°C

Mechanical Specifications



Unit : mm

Maximum Equivalent Series Resistance (Ω)			
Freq. Range (MHz)	ESR (Ω)	Freq. Range (MHz)	ESR (Ω)
Fundamental Mode		13.000 ~ 19.999	40
3.5 ~ 3.999	200	20.000 ~ 29.999	30
4.000 ~ 5.999	150	30.000 ~ 35.0	30
6.000 ~ 7.299	100	3rd Overtone	
7.250 ~ 8.999	80	35.0 ~ 80.0	100
9.000 ~ 12.999	60		



Cal Crystal Lab., Inc.

www.calcrystal.com

15302 Bolsa Chica Street, Huntington Beach, CA 92649
 Ph: 714-991-1580 / 800-333-9825 Fax: 714-491-9825

e-mail: sales@calcrystal.com

Ver. 2.2 0806