

PACKAGE
SM1

FREQUENCY
Customer Specified

Part Number Guide



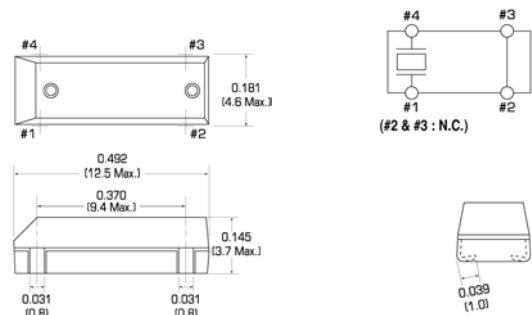
CCL-SM1 - 10.000MHz - B - 2 - 5 - F - R

<u>TOLERANCE/STABILITY vs. TEMP</u>	<u>OPERATING TEMPERATURE</u>	<u>LOAD CAPACITANCE</u>	<u>MODE OF OPERATION</u>	<u>OPTIONS</u>
A..... 100ppm / 100ppm B..... 50ppm / 100ppm C..... 50ppm / 50ppm D..... 25ppm / 100ppm E..... 25ppm / 50ppm F..... 25ppm / 25ppm G..... 10ppm / 50ppm H..... 10ppm / 25ppm I..... 10ppm / 10ppm J... Customer Specified	1.... 0°C to +70°C 2.... -10°C to +60°C 3.... -20°C to +70°C 4.... -40°C to +85°C 5.... Customer Specified	S...Series 1....50 pF 2....32 pF 3....30 pF 4....20 pF 5....18 pF 6....15 pF 7....10 pF 8....7.5 pF X...Customer Specified	F..... Fundamental 3..... 3 RD Overtone	R.... RoHS Compliant T... Tape & Reel

Electrical Specifications

Mechanical 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	100uW Typical
Insulation Resistance	500 megohms Min.
Aging	±5ppm Max. / Year
Reflow	10 Seconds Max. @ +235°C



Maximum Equivalent Series Resistance (Ω)			
Freq. Range (MHz)	ESR (Ω)	Freq. Range (MHz)	ESR (Ω)
Fundamental Mode		13.500 ~ 19.999	50
3.5 ~ 3.999	200	20.000 ~ 29.999	40
4.000 ~ 5.999	150	30.000 ~ 35.0	100
6.000 ~ 7.299	100	3rd Overtone	
7.250 ~ 8.999	80	35.0 ~ 80.0	100
9.000 ~ 13.499	60		

