

CERAMIC SEAM SEALED SURFACE MOUNT PACKAGE - XCS64 Series

FEATURES

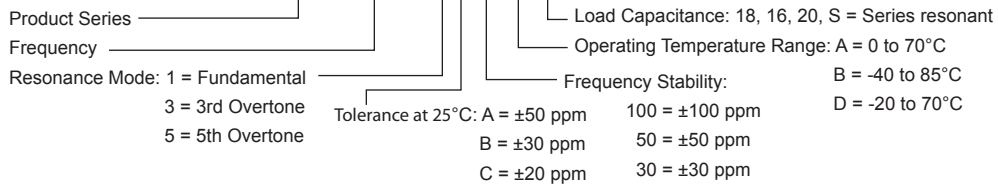
- RoHS Compliant (Pb-Free), Wide Frequency Range Available
- AT-cut Crystal, High Precision and Excellent Aging, Extended Temperature Range
- Industry Standard Footprint, Compact Size (6 x 3.5 mm) with 1.1 mm Height Maximum
- Excellent Solderability

SPECIFICATIONS

Frequency Range	10 MHz to 150 MHz
Resonance Mode	1 = Fundamental (12 to 50 MHz); 3 = 3rd Overtone (40 to 90 MHz) 5 = 5th Overtone (90 to 150 MHz)
Calibration Tolerance @25°C	A = ±50 ppm; B = ±30 ppm; C = ±20 ppm; D = ±15 ppm; E = ±10 ppm
Frequency Stability Ref @25°C	50 = ±50 ppm; 30 = ±30 ppm; 10 = ±10 ppm; 5 = ±5 ppm
Temperature Range	A = 0°C to 70°C; B = -40°C to 85°C; C = -10°C to 60°C; D = -20°C to 70°C
Crystal Aging	±5 ppm / year Maximum
Storage Temperature	-40°C to 85°C
Load Capacitance (CL)	CL = 18 pF (Standard), 16 pF, 20 pF, others, or S = Series resonant
Shunt Capacitance	7.0 pF Maximum
Drive Level	0.1 mW Maximum

Creating a Part Number

XCS64-13M000-1 A 50 C 18 -options



Equivalent Series Resistance

Frequency (MHz)	Mode	Max ESR (Ohms)
10.000 - 15.999	Fund	60
16.000 - 19.999	Fund	40
20.000 - 50.000	Fund	30
40.000 - 89.999	3rd O/T	60
90.000 - 150.00	5th O/T	120

OUTLINE DRAWING

