

CERAMIC SEAM SEALED SURFACE MOUNT PACKAGE - XCS53 Series

FEATURES

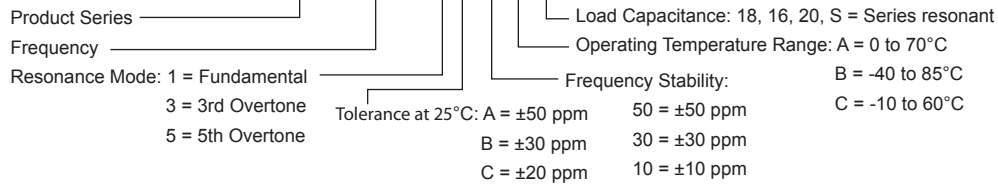
- RoHS Compliant (Pb-Free), Industry de factor Standard Footprint
- Ultra Miniature Design (5 x 3.2 mm) with 1.0 mm Height Maximum
- AT-cut Crystal, High Precision and Excellent Aging
- Excellent for High Density Surface Mounting

SPECIFICATIONS

Frequency Range	8 MHz to 250 MHz
Resonance Mode	1 = Fundamental (8 to 155 MHz); 3 = 3rd Overtone (70 to 150 MHz) 5 = 5th Overtone (150 to 250 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
Crystal Aging	±3 ppm / year Maximum
Storage Temperature	-40°C to 85°C
Load Capacitance (CL)	CL = 12 pF (Standard), 16 pF, 18 pF, others, or S = Series resonant
Shunt Capacitance	7.0 pF Maximum
Drive Level	0.1 mW Maximum

Creating a Part Number

XCS53-25M000-1 C 50 C 12 -options



Equivalent Series Resistance

Frequency (MHz)	Mode	Max ESR (Ohms)
8.000 - 9.999	Fund	120
10.000 - 11.999	Fund	80
12.000 - 15.999	Fund	60
16.000 - 155.000	Fund	40
70.000 - 150.000	3rd O/T	80
150.000-250.000	5th O/T	80

OUTLINE DRAWING

