

CERAMIC GLASS SEALED SURFACE MOUNT PACKAGE - XCR53 Series

FEATURES

- Ultra Miniature Design (5 x 3.2 mm) with 1.4 mm Height Maximum
- AT-cut Performance with Economic Cost
- Industry de factor Standard Footprint
- Excellent for High Density Surface Mounting

SPECIFICATIONS

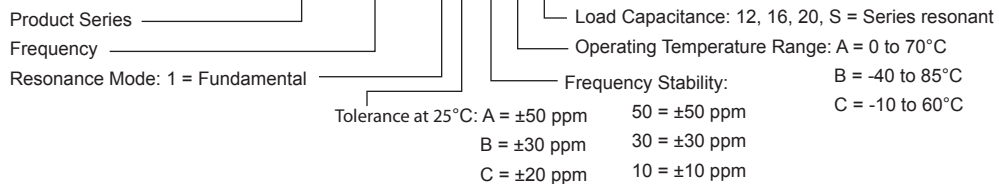
Frequency Range 10 MHz to 54 MHz
Resonance Mode 1 = Fundamental (10 to 54 MHz)

Calibration Tolerance @25°C A = ±50 ppm; B = ±30 ppm; C = ±20 ppm; E = ±10 ppm
Frequency Stability Ref @25°C 50 = ±50 ppm; 30 = ±30 ppm; 20 = ±20 ppm; 10 = ±10 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
Standard Stability 30C = ±30 ppm / -10°C to 60°C
Crystal Aging ±3 ppm / year Maximum
Storage Temperature -40°C to 85°C

Load Capacitance (CL) CL = 10 pF, 16 pF, 18 pF, 20 pF, others, or S = Series resonant
Shunt Capacitance 7.0 pF Maximum
Drive Level 0.1 mW Maximum

Creating a Part Number

XCR53-27M000-1 C 20 D10



Equivalent Series Resistance

Frequency (MHz)	Mode	Max ESR (Ohms)
10.000 11.999	Fund	150
12.000 15.999	Fund	100
16.000 30.999	Fund	70
31.000 54.000	Fund	40

OUTLINE DRAWING

