

## CERAMIC SEAM SEALED SURFACE MOUNT PACKAGE - XCS22 Series

### FEATURES

- RoHS Compliant (Pb-Free), Ultra Miniature Design (2.5x2.0x0.65 mm)
- AT-cut Crystal, Tight Frequency Stability over Wide Temperature Range; Excellent Aging
- Low and Level ESR; Excellent Drive Level Characteristics
- Industry de factor Standard Footprint; Excellent for High Density Surface Mounting

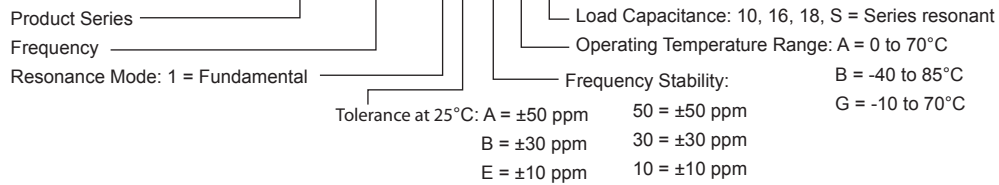
### SPECIFICATIONS

**Frequency Range** 12 MHz to 80 MHz  
**Resonance Mode** 1 = Fundamental

**Calibration Tolerance @25°C** A =  $\pm 50$  ppm; B =  $\pm 30$  ppm; C =  $\pm 20$  ppm; D =  $\pm 15$  ppm; E =  $\pm 10$  ppm  
**Frequency Stability Ref @25°C** 50 =  $\pm 50$  ppm; 30 =  $\pm 30$  ppm; 20 =  $\pm 20$  ppm  
**Temperature Range** A = 0°C to 70°C; B = -40°C to 85°C; C = -10°C to 60°C  
**Crystal Aging**  $\pm 3$  ppm / year Maximum  
**Storage Temperature** -40°C to 85°C  
**Load Capacitance (CL)** CL = 12 pF (Standard), 8 pF, 18 pF, others, or S = Series resonant  
**Shunt Capacitance** 3.0 pF Maximum  
**Drive Level** 0.1 mW Maximum

### Creating a Part Number

**XCS22-26M000-1 E 10 G 10** -options



### Equivalent Series Resistance

Frequency (MHz)	Mode	Max ESR (Ohms)
12.000 - 15.000	Fund	800
16.000 - 20.000	Fund	250
21.000 - 30.000	Fund	150
31.000 - 80.000	Fund	100

### OUTLINE DRAWING

