

CERAMIC SEAM SEALED SURFACE MOUNT PACKAGE - XCS32 Series

FEATURES

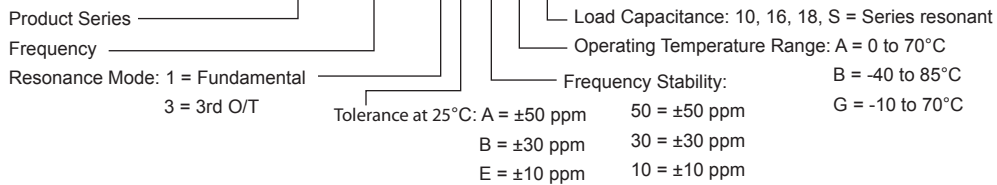
- RoHS Compliant (Pb-Free), Ultra Miniature Design (3.2x2.5x0.8 mm)
- AT-cut Crystal, Tight Frequency Stability over Wide Temperature Range; Excellent Aging
- Low and Level ESR; Excellent Drive Level Characteristics
- Industry de factor Standard Footprint; Excellent for High Density Surface Mounting

SPECIFICATIONS

| | |
|--------------------------------------|---|
| Frequency Range | 8 MHz to 160 MHz |
| Resonance Mode | 1 = Fundamental (8 to 80 MHz); 3 = 3rd Overtone (60 to 156.25 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

XCS32-26M000-1 E 10 G 10 -options



Equivalent Series Resistance

| Frequency (MHz) | Mode | Max ESR (Ohms) |
|------------------|---------|----------------|
| 8.000 - 9.999 | Fund | 800 |
| 10.000 - 10.999 | Fund | 250 |
| 11.000 - 11.999 | Fund | 120 |
| 12.000 - 12.999 | Fund | 100 |
| 13.000 - 29.999 | Fund | 60 |
| 30.000 - 80.000 | Fund | 50 |
| 60.000 - 156.250 | 3rd O/T | 100 |

OUTLINE DRAWING

