

**LOW PROFILE RESIN SEALED SURFACE MOUNT PACKAGE - XCR1 Series**

**FEATURES**

- 1.55 mm Maximum Height, Ceramic Base and Cover SMT Package
- Microprocessor Crystal Specifications, AT-cut, Important Low Frequency Range
- Industry de factor Standard Footprint
- Excellent for High Density Surface Mounting

**SPECIFICATIONS**

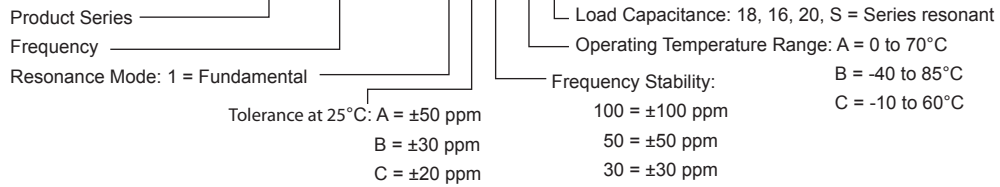
**Frequency Range** 3.500 MHz to 30.000 MHz  
**Standard Frequencies** Standard Frequency Table  
**Resonance Mode** 1 = Fundamental

**Calibration Tolerance @25°C** A = ±50 ppm; B = ±30 ppm  
**Frequency Stability Ref @25°C** 50 = ±50 ppm; 30 = ±30 ppm  
**Temperature Range** A = 0°C to 70°C; B = -40°C to 85°C; C = -10°C to 60°C  
**Standard Stability** 30C = ±30 ppm / -10°C to 60°C  
**Crystal Aging** ±5 ppm Maximum / 1st year  
**Operatable Temperature Range** -40°C to 85°C  
**Storage Temperature** -55°C to 125°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 Typical

**Creating a Part Number**

**XCR1- 3M579545 -1 B 30 C 18 -options**



**Equivalent Series Resistance**

Frequency (MHz)	Mode	Max ESR (Ohms)
3.500 - 3.999	Fund	200
4.000 - 5.999	Fund	150
6.000 - 9.999	Fund	100
10.000 - 13.999	Fund	80
14.000 - 30.000	Fund	50

**OUTLINE DRAWING**

