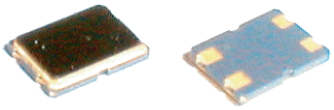


CERAMIC SEAM SEALED SURFACE MOUNT PACKAGE - XCS75 Series

FEATURES

- RoHS Compliant (Pb-Free), Wide Frequency Range Available
- AT-cut Crystal, High Precision and Excellent Aging, Extended Temperature Range
- Industry Standard Footprint, Compact Size (7 x 5 mm) with 1.3 mm Height Maximum
- Excellent Solderability

SPECIFICATIONS

Frequency Range	8 MHz to 150 MHz
Resonance Mode	1 = Fundamental (8 to 50 MHz); 3 = 3rd Overtone (30 to 90 MHz) 5 = 5th Overtone (70 to 150 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; 25 = ±25 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; D = -20°C to 70°C
Crystal Aging	±5 ppm / year Maximum
Storage Temperature	-40°C to 85°C
Load Capacitance (CL)	CL = 18 pF (Standard), 16 pF, 20 pF, others, or S = Series resonant
Shunt Capacitance	7 pF Maximum
Drive Level	0.1 mW Maximum

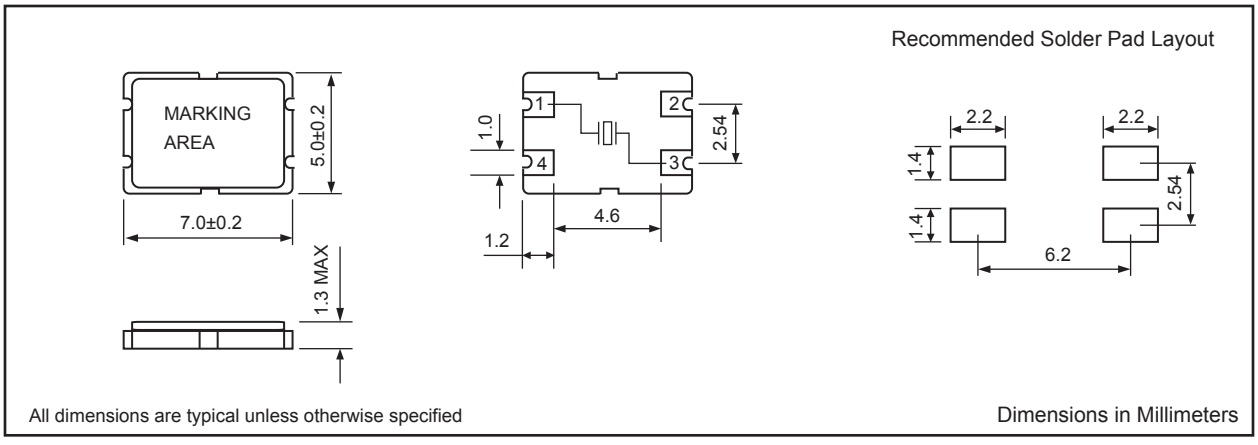
Creating a Part Number **XCS75-56M448-3 A 50 C 18** -options

- Product Series
- Frequency
- Resonance Mode: 1 = Fundamental; 3 = 3rd Overtone; 5 = 5th Overtone
- Tolerance at 25°C: A = ±50 ppm; B = ±30 ppm; C = ±20 ppm
- Frequency Stability: 100 = ±100 ppm; 50 = ±50 ppm; 30 = ±30 ppm
- Operating Temperature Range: A = 0 to 70°C; B = -40 to 85°C; C = -10 to 60°C; D = -20 to 70°C
- Load Capacitance: 18, 16, 20, S = Series resonant

Equivalent Series Resistance

Frequency (MHz)	Mode	Max ESR (Ohms)
8.000 - 9.999	Fund	80
10.000 - 15.999	Fund	60
16.000 - 19.999	Fund	40
20.000 - 50.000	Fund	30
30.000 - 90.000	3rd O/T	60
70.000 - 150.00	5th O/T	100

OUTLINE DRAWING



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