

CSMC3

SMD Ceramic 3.5mm x 6mm (2 Pad)



Features:

- °SMD Ceramic 3.5mm x 6mm (2 Pad)
- °Wide Frequency Range
- °Tight Tolerance and Stability
- °RoHS Compliant



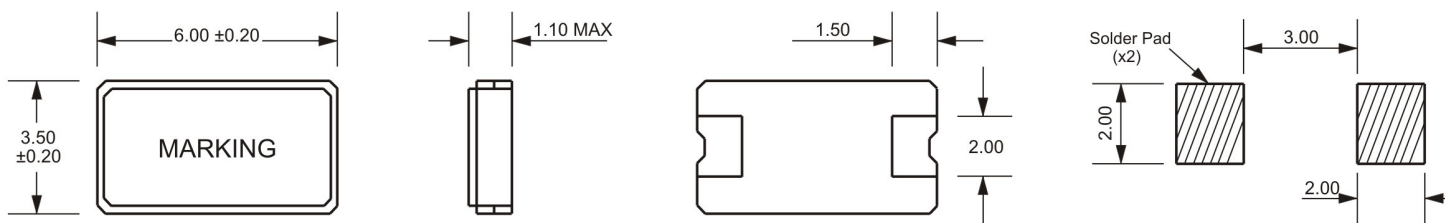
Electrical Specification

Frequency Range:	7.000MHz to 100.000MHz
Frequency Tolerance/Stability:	See ordering options below
Operating Temperature Range:	See ordering options below
Storage Temperature Range:	-40-°C to 85°C
Aging:	±3ppm per year Maximum
Shunt Capacitance:	5pF Maximum
Load Capacitance:	See ordering options below
Mode of Operation:	Fundamental and 3rd Overtone
Drive Level:	100 µWatts Maximum
Insulation Resistance:	500 Megaohms Minimum at 100Vdc
Spurious Response:	-3dB Minimum: Fo to Fo +5000ppm

Equivalent Series Resistance

Frequency Range	ERS(Ohms)	Mode / Cut
7.000MHz to 11.900MHz	100 Maximum	Fundamental / AT
12.000MHz to 13.900MHz	60 Maximum	Fundamental / AT
14.000MHz to 54.000MHz	40 Maximum	Fundamental / AT
40.000MHz to 100.000MHz	80 Max	3rd Overtone / AT

Mechanical Dimensions



PAD CONNECTIONS (TOP VIEW)



MARKING

Line 1: AXX.XXX
Line 2: XXXXXX (Date Code)

IN MILLIMETERS

CSMC3

SMD Ceramic 3.5mm x 6mm (2 Pad)



Part Number Guide

CSMC3 A A 1 G 1 - 33.000M - TR

Series

CSMC3 = Ceramic SMD (3.5mm x 6mm, 2 Pad)

Frequency Tolerance

A = ± 5 ppm E = ± 25 ppm
B = ± 10 ppm F = ± 30 ppm
C = ± 15 ppm G = ± 50 ppm
D = ± 20 ppm H = ± 100 ppm

Frequency Stability

A = ± 5 ppm E = ± 25 ppm
B = ± 10 ppm F = ± 30 ppm
C = ± 15 ppm G = ± 50 ppm
D = ± 20 ppm H = ± 100 ppm

Temperature Range

1 = -10°C to +60°C
2 = -20°C to +70°C
3 = -40°C to +85°C

Packaging

TR = Tape and Reel

Frequency

Mode of Operation

1 = AT Fundamental
3 = 3rd Overtone

Load Capacitance

S = Series E = 16pF
A = 8pF F = 18pF
B = 9pF G = 20pF
C = 10pF H = 32pF
D = 12pF

Not all temperature/stability options are available. Please consult with factory for current capabilities