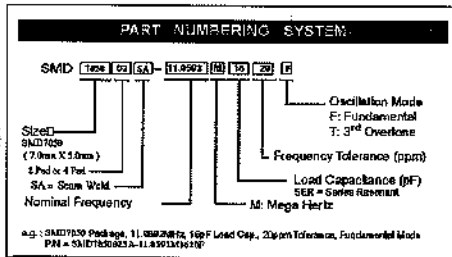


# SMD7050 SEAM WELD TYPE CRYSTAL RESONATOR



## SMD SEAM SEALING X TAL 7\*5 (4 PADS, 2PADS)



Lead-Free

### ● Application

Radio communication, Audio-visual equipment, Office automation equipment, Consumer product...

### ● Specification

Frequency range	See table 1
Vibration mode	AT cut: fundamental. Third
Frequency tolerance at 25°C	±10, ±15, ±20, ±30, ±50ppm
Operating temperature range and frequency stability	See Table2
Equivalent series resistance	See Table1
Shunt capacitance	5.0pF max or special
Measure instrument	S&A 250B PI system
Load capacitance	Series, 16, 20, 30pF or special
Drive level	10, 100, 300, 500uW or special
Insulation resistance	500 MΩ min/DC 100V
Aging	±1,3,5ppm/year
Storage temperature range	-40~+85°C

### ● Table 1/Frequency range & Equivalent Series resistance

Frequency (MHz)	Vibration mode	SX-7050 (Ω)
6.000~9.9	Fundamental/F	100
10.0~11.9	Fundamental/F	60
12.0~14.9	Fundamental/F	50
15.0~50.0	Fundamental/F	40
30.0~79.9	Third/O3	90
80.0~100.0	Third/O3	90
100.1~160.0	Third/O3	100

### ● Table 2/Operating temperature range and frequency stability

PPM	±10	±15	±20	±30	±50
TEMP					
-0~+50°C	☺	☺	☺	☺	☺
-10~+60°C	☺	☺	☺	☺	☺
-20~+70°C	☺	☺	☺	☺	☺
-30~+80°C		☺	☺	☺	☺
-40~+90°C		☺	☺	☺	☺

The mark "☺" denotes our achieved level

### ● Dimension & Land pattern (unit: mm)

