

**FS38-32.768-12.5-48-2-2-F-RI**



**■ TUNING FORK SMD TYPE 8.0x3.8mm**

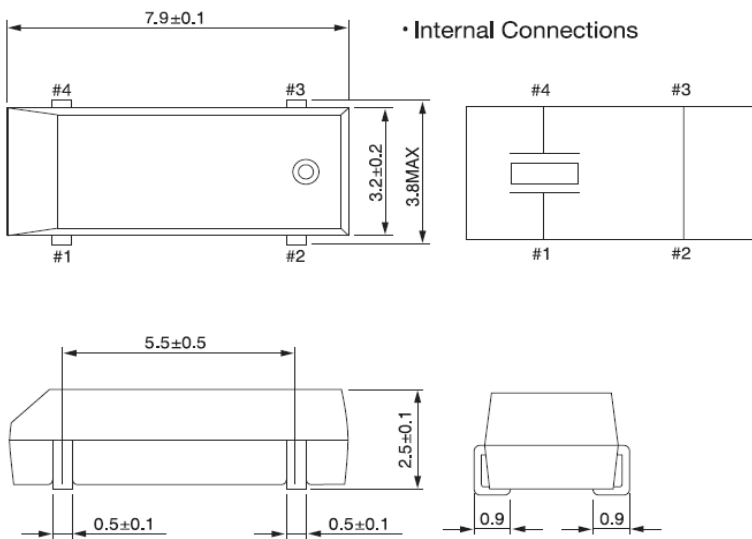
- Plastic Surface Mount package
- 32.768kHz Frequency Reference
- Frequency Tolerance  $\pm 20$ ppm standard
- Tape & Reel packaging
- Applications : Industrial applications, Mobile Communications, Wireless applications



**■ Standard Specification**

Nominal Frequency	32.768KHz
Motional resistance (ESR)	50k $\Omega$ Max
Load capacitance (CL)	7pF, 9pF, 12.5pF or please specify
Frequency tolerance (25°C)	$\pm 20$ ppm (std) or please specify
Turnover Temperature	25°C $\pm 5$ °C
Temperature coefficient	-0.035ppm/°C <sup>2</sup> Typ
Operating temperature range	-40°C to +85°C
Storage temperature range	-55°C to +125°C
Level of drive(DL)	1.0 $\mu$ W Max
Shunt Capacitance ( C0 )	0.9 to 2.0pF
Aging (Initial first year)	$\pm 3$ ppm Max
Insulation Resistance (DC 100V)	500M $\Omega$ Min

**■ Dimensions (mm)**



**• Recommended Soldering Pattern**

