

KHz Crystal (SMD)

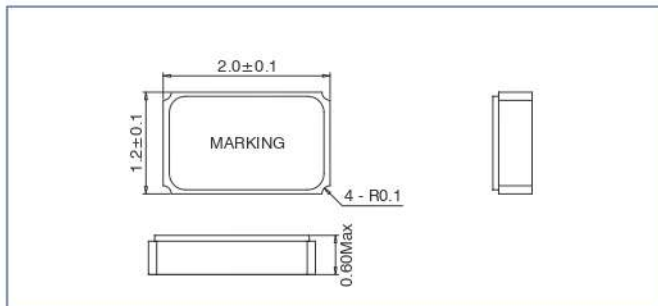
1.4 K2012

Metal Can Type Crystals M3 Series

FEATURES

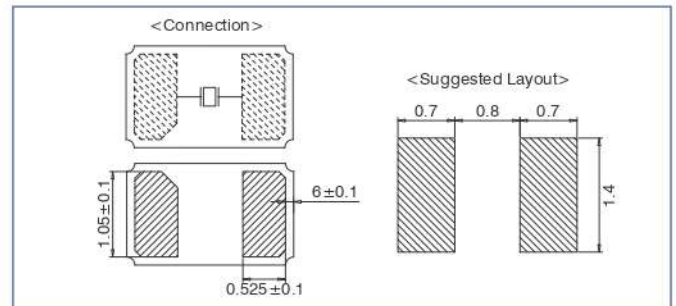
- Ultra-small size: 2.0*1.2*0.6 mm
- Reflow resistance type crystal units
- Higher frequency pull ability and lower equivalent series resistance
- Lower cost and highly mass production capability
- RoHS Compliant/Pb Free

DIMENSIONS



TYPICAL APPLICATION

- The best choice of Notebook Computer
TV, STB, LCDM and Cable Modem



ELECTRICAL SPECIFICATION

Item/Type	M3
Frequency Range	32.768KHz
Frequency Tolerance (at 25°C)	±20ppm, or specify
Operating Temperature Range	-40 ~ +85°C
Shunt Capacitance (C_0)	1.5pF Max.
Drive Level	0.1μW typical, 0.5μW Max.
Load Capacitance	Series, 7pF, 9pF, 12.5pF, or specify
Aging (at 25°C)	±3 ppm First year Max.
Storage Temperature Range	-55 ~ +125°C
Turnover Temperature	25±5°C
Temperature Coefficient	(-0.035±0.005) ppm/°C ²
Insulation Resistance	>500MΩ@DC 100±10V

EQUIVALENT SERIES RESISTANCE(ESR)

Frequency	Resistance
32.768KHz	70KΩ Max.