

# 小型SMD水晶振動子 FSX-7M

# SMALL SIZE SMD CRYSTAL UNITS



## FSX-7M

高密度実装が可能で移動体通信からコンピューター、マルチメディア関係までの幅広い用途に最適です。  
High-density mounting possible and suitable for the various such as mobile communications, computers and multimedia etc.

### Main Applications

- ☆ 通信機器装置/Telecommunication equipment
- ☆ 携帯電話, GPS/Portable phone, GSM, PHS, PCS, DECT, TETRA, GPS
- ☆ PCMCIAカード/PCMCIA

### 特長 / Features

- ☆ 低背型/Low Profile
- ☆ 高信頼性シームウエルドタイプ/High reliability with seam weld type.
- ☆ リフロー可能です。/Reflow available.

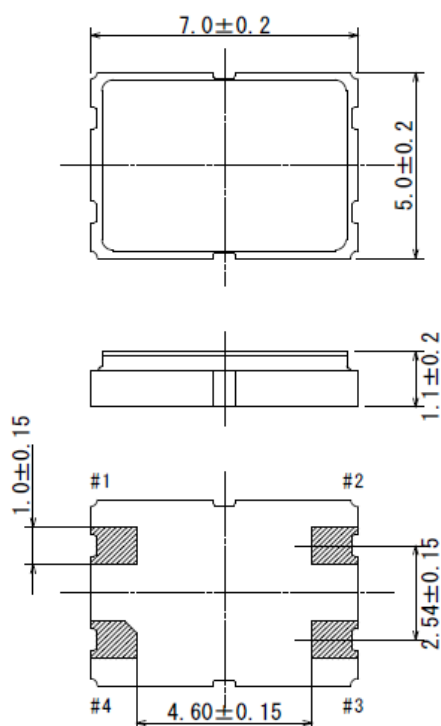
鉛フリー、RoHS指令対応品 / Pb free, RoHS compliant

### 仕様 / Specification

Specification	
項目 / Item	FSX-7M
周波数 / Frequency	8.00 ~ 50.0MHz (Fundamental) 35.0 ~ 125.0MHz (3rd overtone)
振動モード / Oscillation mode	AT cut, Fundamental, 3rd overtone
周波数偏差 / Frequency tolerance	±10ppm ~ ±50ppm at 25°C
温度特性 / Temperature tolerance	±3ppm~±30ppm (-10°C ~ +60°C) ±5ppm~±50ppm (-20°C ~ +70°C) ±15ppm~±100ppm (-40°C ~ +85°C)
等価直列抵抗 / Equivalent series resistance	Fundamental: 70Ω max. 3rd overtone: 100Ω max.
並列容量 / Shunt capacitance	7pF max.
負荷容量 / Load capacitance	12pF~Series, 16pF (Standard)
ドライブレベル / Drive level	10 ~ 100μW
経時変化 / Aging ΔF/F	±1ppm ~ ±5ppm max. (25°C±3°C) (First year)

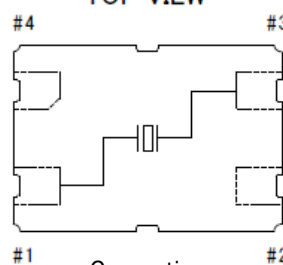
Specifications, which are different from those above, may be acceptable.

### 外形寸法 / Dimensions (mm)



### FSX-7M

#### TOP VIEW



Connection  
#1, #3: X'tal  
#2, #4: GND (Connected with cover)

#### Land Pattern (Example)

