



RFM Integrated Device, Inc.

General Specification

XTL Crystal Units

2520 Series

SMD 2.5 x 2.0 mm

Frequency Range

16.000 - 80.000 MHz

Tol/Spec

+/-3 to +/-30ppm @25C+/-3C

Features:

- Surface Mount Hermetic Package
- Excellent Reliability Performance
- Good Frequency Perturbation and Stability over temperature
- Ultra Miniature Package
- Moisture Sensitivity Level (MSL) : Level-1
- ROHS and AEC-Q200 compliance
- Compliance with BT/ WI/ NB-IOT application



Specifications

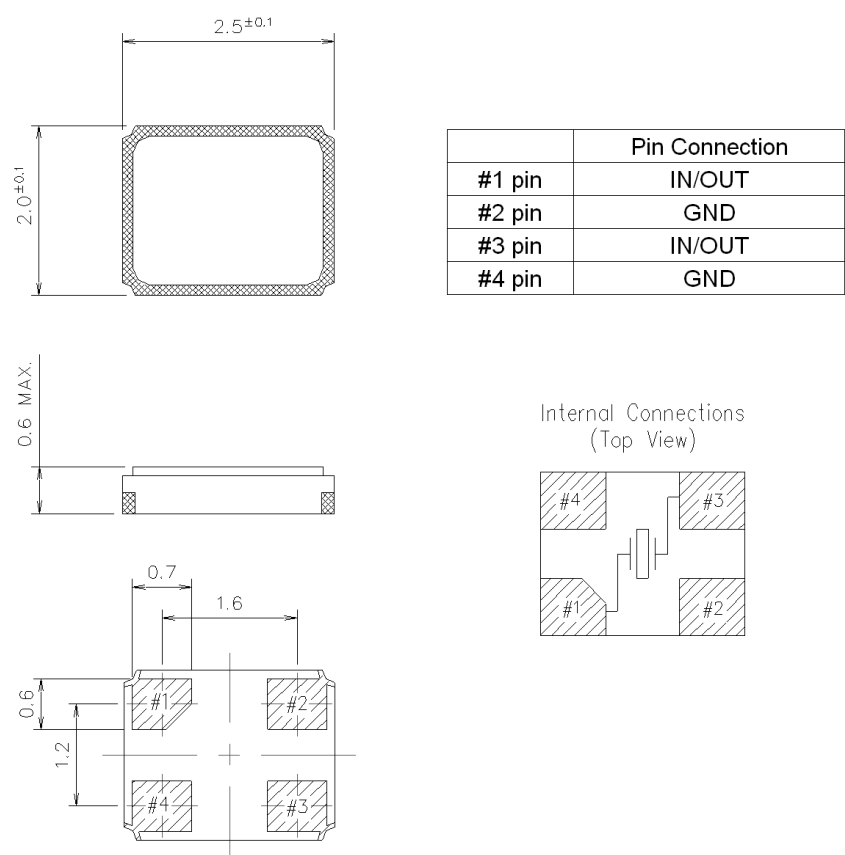
Item	Symbol	Specification	Unit	Remarks
Frequency Range	f_nom	16.000 to 80.000	MHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	4~∞	pF	
Frequency Tolerance	f_tol	±3~-+30	×10 ⁻⁶	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	10~500	μW	
Operating Temp. Range	T_use	-20 ~75//-30~85	°C	
		-40~85//-40~105	°C	
		-40~125//-40~150	°C	
Storage Temp. Range	T_stg	-40 to +150	°C	
Frequency Temp. Characteristics	f_tem	±10//+/-15//+20//+/-30 //+/-50//+/-100	×10 ⁻⁶	Freq. deviation from the value at 25°C

Resistance

Frequency Range	Motional Series Resistance
16000<=20000kHz	120 Ω max.
20000<=30000kHz	80 Ω max.
30000<=40000kHz	60 Ω max.
40000<=60000kHz	50 Ω max
60000<=80000kHz	40 Ω max

Mechanical Dimensions (mm):

Base



Recommended Land Pattern: (unit: mm)

