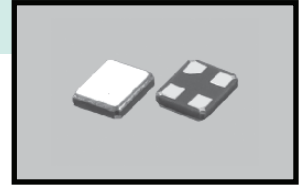


Quartz Crystal Resonator (MHz)

SX1612



General Description

The SX1612 is a ceramic packaged quartz crystal unit.

Features

High precision and high reliability
Light weight

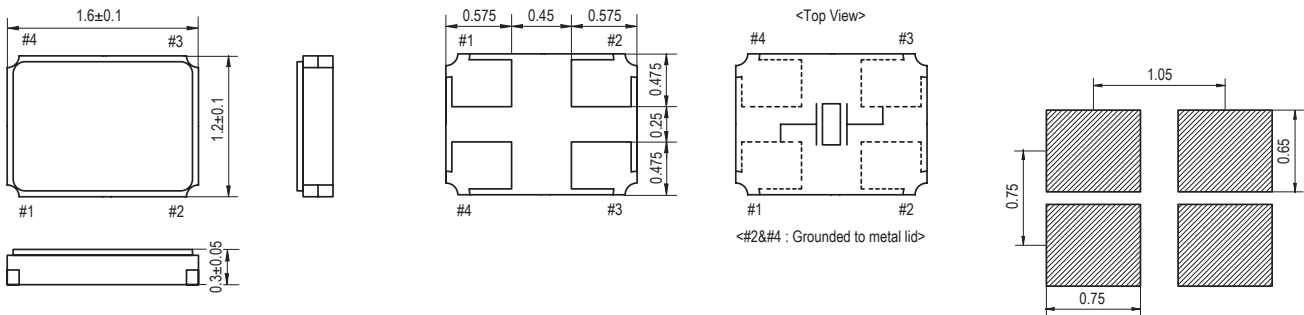
Main Applications

Mobile phone, Bluetooth, W-LAN, ISM band radio, Clock for MPU

Electrical characteristics

Item	Symbol	Values
Part number		SX1612
Mode of vibration		Fund.
Frequency range	F	20 - 54 MHz
Frequency tolerance (@ +25°C)	$\Delta f/F$	$\pm 30\text{ppm}$ or specify
Frequency stability	$\Delta f/F$	$\pm 30\text{ppm}$ or specify
Operating temp. range	To	-20°C / +70°C or specify
Storage temp. range	Ts	-55°C / +135°C
Load capacitance	Cl	8pF, 10pF or specify
Resonance Resistance	R1	150Ω max up to 24MHz ; 100Ω max up to 30MHz ; 80Ω max up to 54MHz
Shunt capacitance	CO	< 3pF
Insulation resistance		>500 MΩ / DC100V
Drive level	P	0.05mW
Aging	$\Delta f/F$	$\pm 3\text{ppm}$ max @ +25°C

Dimensions



Quartz Crystal Resonator (MHz)

SX1612

Part Number Generator

SX1612 **20.000000** **F** **AT** **P20** **E** **F** **H** **TR** **xxx**
 0 1 2 3 4 5 6 7 8 9

0 : Holder
SX1612

1 : Frequency (MHz)
□□□.□□□□□□
max 10 digits including comma

2 : Vibration mode
F = Fund

3 : Cut
AT

4 : Load capacitance
S=Serie
P20=20pF
P30=30pF
etc

5 : Tolerance
A= ≤±30ppm
C= ≤±20ppm
E= ≤±10ppm

6 : Op. temp. range
F=-20/+70
N=-40/+85

7 : Stability
A< ±50ppm
D< ±30ppm
F< ±20ppm
H< ±10ppm

8 : Packing
TR = Tape & Reel

9 : Customized code
Note : factory use

Remark : specifications subject to change without prior notice. Please confirm with our sales