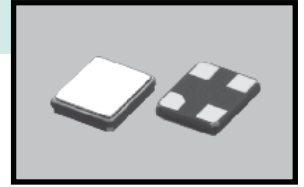


Quartz Crystal Resonator (MHz)

SX3225



General Description

The SX3225 is a ceramic packaged quartz crystal unit.

Features

High precision and high reliability
Light weight

Main Applications

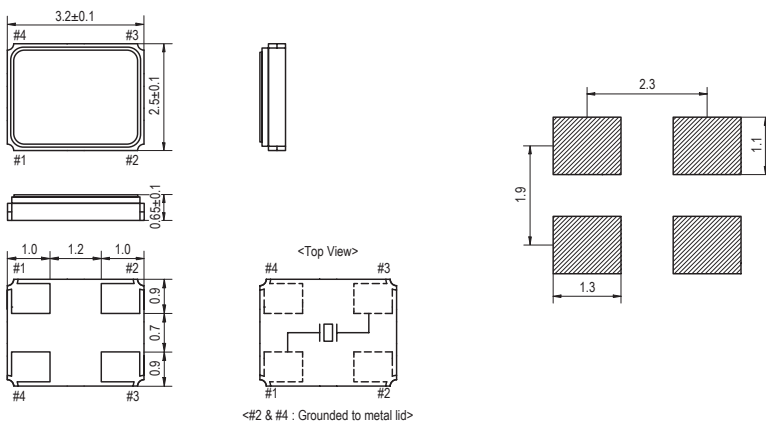
Mobile phone, Bluetooth, W-LAN, ISM band radio, Clock for MPU

Electrical characteristics

Item	Symbol	Values
Part number		SX3225
Mode of vibration		Fund. & 30v
Frequency range	F	9.843 - 60 MHz (Fund) ; 60 - 150 MHz (3 Ov)
Frequency tolerance (@ +25°C)	$\Delta f/F$	$\pm 10 / 20 / 30$ ppm
Frequency stability	$\Delta f/F$	see table 1
Operating temp. range	To	see table 1
Storage temp. range	Ts	-55°C / +135°C
Load capacitance	Cl	6-50pF (std 18pF) or Serie
Resonance Resistance	R1	100Ω max up to 16MHz ; 80Ω max up to 20MHz ; 60Ω max >20MHz
Shunt capacitance	CO	<5pF
Insulation resistance		>500 MΩ / DC100V
Drive level	P	0.2mW max
Aging	$\Delta f/F$	± 3 ppm max @ +25°C

Table 1	3ppm	5ppm	10ppm	15ppm	20ppm	30ppm	50ppm
0°C / +50°C		•	•	•	•	•	•
-10°C / +60°C			•	•	•	•	•
-20°C / +70°C			•	•	•	•	•
-40°C / +85°C				•	•	•	•
-40°C / +105°C							
-55°C / +125°C							

Dimensions



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

Quartz Crystal Resonator (MHz)

SX3225

Part Number Generator

SX3225 **10.000000** **F** **AT** **P20** **E** **F** **H** **TR** **xxx**
 0 1 2 3 4 5 6 7 8 9

0 : Holder
SX3225

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

2 : Vibration mode
F = Fund.
X = 30V

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
A= 0/+50
D=-10/+60
F=-20/+70
N=-40/+85
P=-40/+105
R=-55/+125

7 : Stability
A< ±50ppm
D< ±30ppm
F< ±20ppm
G< ±15ppm
H< ±10ppm
M< ±5.0ppm

8 : Packing
TF = Tape & Reel

9 : Customized code
Note : factory use

