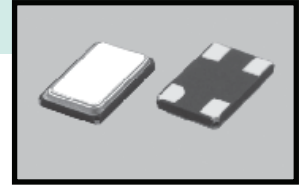


Quartz Crystal Resonator (MHz)

SX5032



General Description

The SX5032 is a ceramic packaged quartz crystal unit. Also available in the 2 pads version

Features

Excellent heat resistance, high precision and high reliability
Wide frequency range

Main Applications

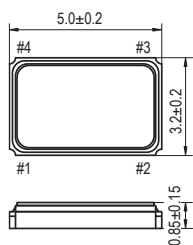
PDA, Car navigation, AV equipment and others

Electrical characteristics

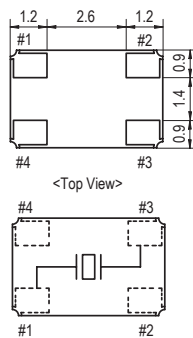
Item	Symbol	Values	
Part number		SX5032 (4 pads) ; SX5032A (2 pads)	
Mode of vibration		Fund.	3rd Ov
Frequency range	F	8 - 54 M	54 - 112 M
Frequency tolerance (@ +25°C)	$\Delta f/F$	$\pm 5 - 30$ ppm	
Frequency stability	$\Delta f/F$	see table 1	
Operating temp. range	To	see table 1	
Storage temp. range	Ts	-55°C / +135°C	
Load capacitance	Cl	6-50pF or Serie	
Resonance Resistance	R1	80Ω max up to 16MHz ; 25Ω max up to 54MHz ; 80Ω max >54MHz	
Shunt capacitance	CO	< 7pF	
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							

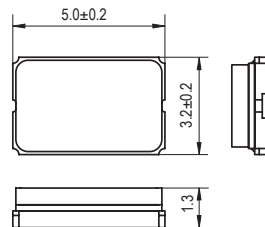
Dimensions



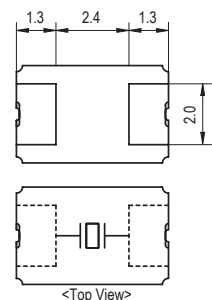
SX5032



<#2 & #4 : Grounded to metal lid>



SX5032A



<Top View>

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

Quartz Crystal Resonator (MHz)

SX5032

Part Number Generator

SX5032 **10.000000** **F** **AT** **P20** **E** **F** **H** **TR** **xxx**
 0 1 2 3 4 5 6 7 8 9

0 : Holder
 SX5032
 SX5032A

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
 B= ≤±25ppm
 C= ≤±20ppm
 D= ≤±15ppm
 E= ≤±10ppm
 F= ≤±7.5ppm
 G= ≤±5.0ppm

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

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