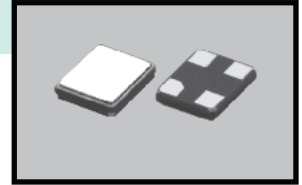


# Quartz Crystal Resonator (MHz)

## SX2520AU

**AUTOMOTIVE, AEC-Q200**



### General Description

The SX2520AU is a sealing crystal unit specific for applications, which require high mechanical reliability and wide operating temp. range

### Features

Wide operating temp. range  
 Superior performance in harsh environment  
 contains Pb in sealing glass exempted by RoHS directive

### Main applications

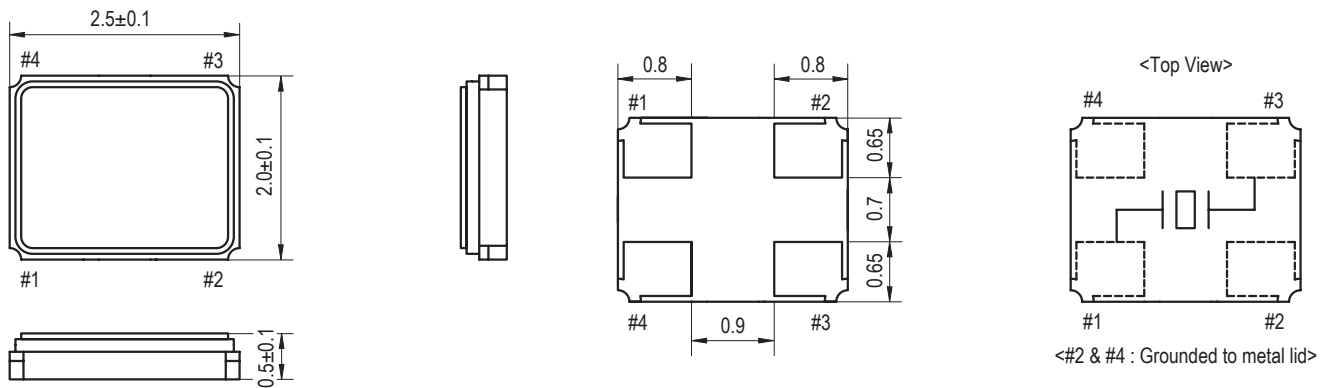
TPMS, ECM, ABS, sensors

### Electrical characteristics

Item	Symbol	Values
Part number		SX2520AU
Mode of vibration		Fund.
Frequency range	F	16 - 74.1 MHz
Frequency tolerance (@ +25°C)	$\Delta f/F$	$\pm 10\text{PPM}$ / $\pm 30\text{ppm}$ or specify
Frequency stability	$\Delta f/F$	$\pm 50\text{ppm}$
Operating temp. range	To	-40°C / +125°C
Storage temp. range	Ts	-40°C / +150°C
Load capacitance	Cl	12pF or specify
Equivalent serie resistance	ESR	see table 1
Drive level	P	typical 0.01mW , max 0.2mW
Reliability standard		AEC-Q200

Table 1	ESR
16 -30 MHz	100Ω max
30 -54 MHz	80Ω max
54 - 74.1 MHz	60Ω max

### Dimensions



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

# Quartz Crystal Resonator (MHz)

## SX2520AU

### Part Number Generator

<b>SX2520AU</b>	<b>16.000000</b>	<b>F</b>	<b>AT</b>	<b>P20</b>	<b>E</b>	<b>F</b>	<b>H</b>	<b>TR</b>	<b>xxx</b>
0	1	2	3	4	5	6	7	8	9

**0** : Holder  
SX2520AU

**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=  $\leq \pm 30$ ppm  
C=  $\leq \pm 20$ ppm

**6** : Op. temp. range  
N=-40/+85  
T=-40/+125

**7** : Stability  
A1 <  $\pm 100$ ppm  
A <  $\pm 50$ ppm

**8** : Packing  
TR = Tape & Reel

**9** : Customized code  
Note : factory use

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