



CRYSTAL UNIT

CSX-2520

Applications

- Automotive / MultiMedia / Bluetooth

Features

- Ultra thin / Dimensions (2.5x2.0x0.55)
- Ceramic SMD Package
- Excellent Environment Resistant
- Tight Tolerance and Stability
- Reflow Soldering / Emboss Taping
- Compliant products with AEC-Q200

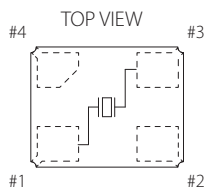
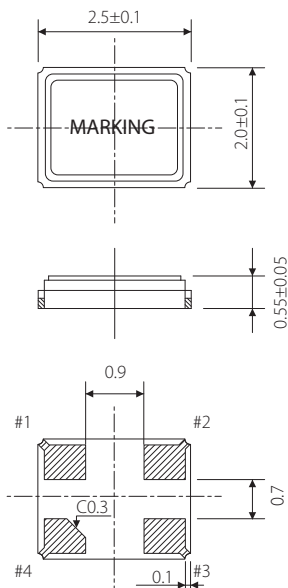
Specifications



Model	CSX-2520	
Nominal frequency range	12.000~40.000 MHz	
Crystal cut	Fundamental [AT-cut]	
Storage temperature range	-40~+125°C	
Operating temperature range	-40~+85°C	-40~+125°C
Frequency temperature characteristics (Ref. to +25°C)	$\pm 15 \times 10^{-6}$	$\pm 50 \times 10^{-6}$, $\pm 100 \times 10^{-6}$
Frequency tolerance (at +25°C)	$\pm 15 \times 10^{-6}$	
Equivalent series resistance	150Ω: 12.000~15.999 MHz 80Ω: 16.000~19.999 MHz 60Ω: 20.000~29.999 MHz 50Ω: 30.000~34.999 MHz	40Ω: 35.000~40.000 MHz
Load capacitance	8pF, 10pF, 12pF, 16pF	
Shunt capacitance	5pF max.	
Level of drive	10 μW (100 μW max.)	

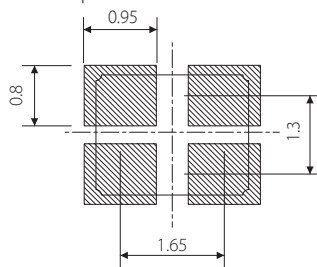
Package quantity: 3,000pcs max./Reel.
The product is suitable for Car multimedia, Car accessory application.

Outline and Dimensions [unit:mm]



• #1,#3 : Crystal terminal / #2,#4 : Connected to cover
(Please connect it with GND.)

Example of a Terminal Land Pattern



Maximum marking length		Marking		
line1	line2			
4	4	Laser		
ex.)		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>40 . 0</td> </tr> <tr> <td>S G A</td> </tr> </table>	40 . 0	S G A
40 . 0				
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