

### [IC information]

Manufacture	STMicroelectronics
Series/Product	STM32H7 Series
Type/Device Code	ES32H743ZIT6

### [Specification of Resonator]

Model	DSX211G
Nominal Frequency	48.000MHz
Load Capacitance	10.0pF
Series Resistance	50Ω max.

### [Measurement Results]

Rd=0Ω, C1=3pF, C2=3pF, VDD=+1.8V

Negative Resistance	-560Ω
Drive Level	4μW
Frequency Deviation	+24ppm

Rd=0Ω, C1=3pF, C2=3pF, VDD=+3.3V

Negative Resistance	-680Ω
Drive Level	23μW
Frequency Deviation	+9ppm

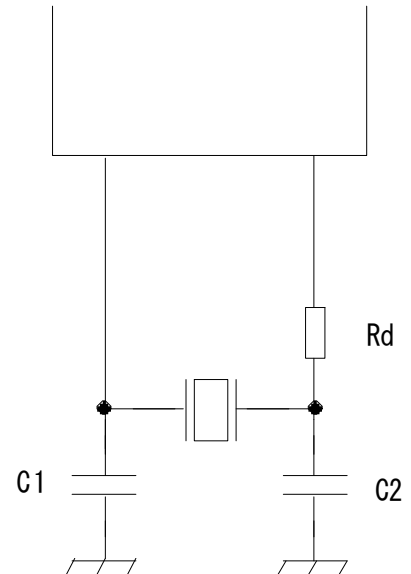
Measurement Results are for Reference only.

Therefore, it is necessary to conduct a survey on your board.

If you have any questions about circuit survey, please contact us by the following e-mail.

[circuitanalysis797@kds.info](mailto:circuitanalysis797@kds.info)

### [Oscillation Diagram]



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**[Specification of Resonator]**

Model	DSX321G
Nominal Frequency	48.000MHz
Load Capacitance	10.0pF
Series Resistance	50Ω max.

**[Measurement Results]**

Rd=0Ω, C1=3pF, C2=3pF, VDD=+1.8V

Negative Resistance	-560Ω
Drive Level	3μW
Frequency Deviation	+38ppm

Rd=0Ω, C1=3pF, C2=3pF, VDD=+3.3V

Negative Resistance	-680Ω
Drive Level	16μW
Frequency Deviation	+14ppm

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**[Oscillation Diagram]**