

[IC information]

Manufacture	Renesas Electronics
Series/Product	RA/RA0/RA0E1、RA0E2、RA0L1
Type/Device Code	R7F0**

[Specification of Resonator]

Model	DSX211SH
Nominal Frequency	16.000MHz
Load Capacitance	8.0pF
Series Resistance	100Ω max.

[Measurement Results]

C1=4pF, C2=4pF, VDD=+1.8V

Negative Resistance	-910Ω
Drive Level	53μW
Frequency Deviation	-2ppm

C1=4pF, C2=4pF, VDD=+3.3V

Negative Resistance	-910Ω
Drive Level	61μW
Frequency Deviation	-2ppm

C1=4pF, C2=4pF, VDD=+5.0V

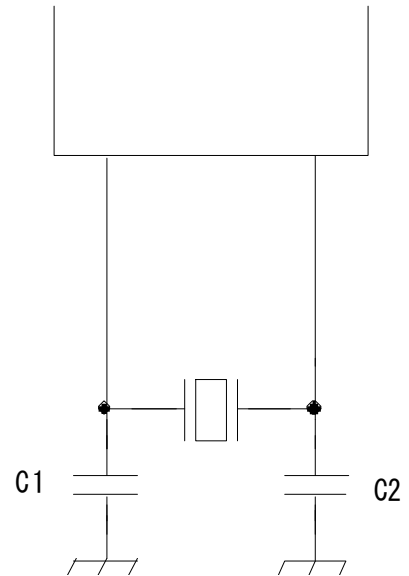
Negative Resistance	-910Ω
Drive Level	77μW
Frequency Deviation	-2ppm

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

[Oscillation Diagram]

[IC information]

Manufacture	Renesas Electronics
Series/Product	RA/RA0/RA0E1、RA0E2、RA0L1
Type/Device Code	R7F0**

[Specification of Resonator]

Model	DSX321G
Nominal Frequency	16.000MHz
Load Capacitance	8.0pF
Series Resistance	80Ω max.

[Measurement Results]

C1=4pF, C2=4pF, VDD=+1.8V

Negative Resistance	-910Ω
Drive Level	44μW
Frequency Deviation	-14ppm

C1=4pF, C2=4pF, VDD=+3.3V

Negative Resistance	-910Ω
Drive Level	53μW
Frequency Deviation	-13ppm

C1=4pF, C2=4pF, VDD=+5.0V

Negative Resistance	-910Ω
Drive Level	61μW
Frequency Deviation	-13ppm

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

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[Oscillation Diagram]