

[IC information]

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

[Specification of Resonator]

Model	DSX321G
Nominal Frequency	12.000MHz
Load Capacitance	8.0pF
Series Resistance	120Ω max.

[Measurement Results]

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

Negative Resistance	-1500Ω
Drive Level	42μW
Frequency Deviation	-10ppm

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

Negative Resistance	-1500Ω
Drive Level	43μW
Frequency Deviation	-9ppm

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

Negative Resistance	-1500Ω
Drive Level	57μW
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

[Oscillation Diagram]