

[IC information]

Manufacture	Renesas Electronics
Series/Product	RH850/U2A Series/U2A16
Type/Device Code	R7F702300

[Specification of Resonator]

Model	DSX210GE
Nominal Frequency	20.000MHz
Load Capacitance	8.0pF
Series Resistance	150Ω max.

[Measurement Results]

C1=OPEN, C2=OPEN, VDD=+3.3V

Negative Resistance	-1500Ω
Drive Level	74μW
Frequency Deviation	+30ppm

C1=OPEN, C2=OPEN, VDD=+5.0V

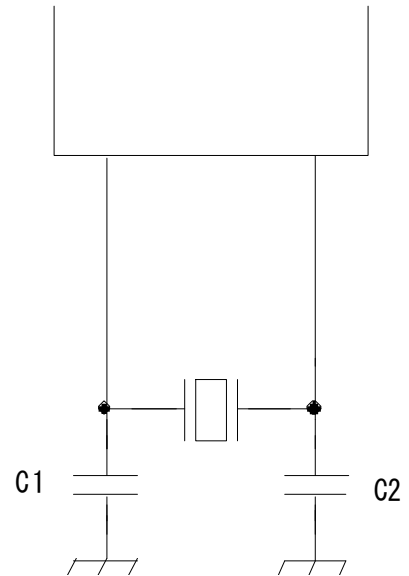
Negative Resistance	-1800Ω
Drive Level	128μW
Frequency Deviation	+25ppm

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	RH850/U2A Series/U2A16
Type/Device Code	R7F702300

[Specification of Resonator]

Model	DSX320GE
Nominal Frequency	20.000MHz
Load Capacitance	8.0pF
Series Resistance	70Ω max.

[Measurement Results]

C1=OPEN, C2=OPEN, VDD=+3.3V

Negative Resistance	-2000Ω
Drive Level	76μW
Frequency Deviation	+44ppm

C1=OPEN, C2=OPEN, VDD=+5.0V

Negative Resistance	-2200Ω
Drive Level	122μW
Frequency Deviation	+34ppm

Measurement Results are for Reference only.

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[Oscillation Diagram]