

[IC information]

Manufacture	Renesas Electronics
Series/Product	RL78/G Series/G13A
Type/Device Code	R5F140PLAFB

[Specification of Resonator]

Model	DSX211G
Nominal Frequency	20.000MHz
Load Capacitance	8.0pF
Series Resistance	200Ω max.

[Measurement Results]

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

Negative Resistance	-1200Ω
Drive Level	83μW
Frequency Deviation	+42ppm

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

Negative Resistance	-1200Ω
Drive Level	84μW
Frequency Deviation	+42ppm

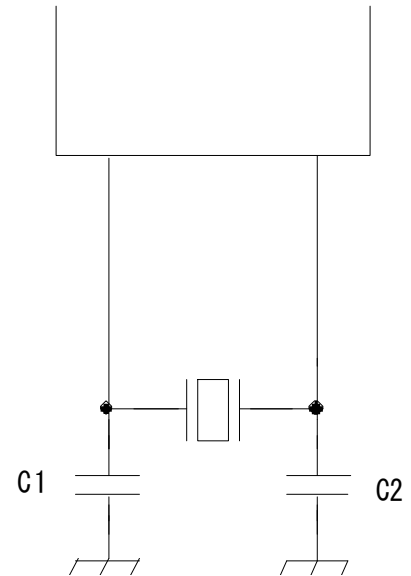
Measurement Results are for Reference only.

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]



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Series/Product	RL78/G Series/G13A
Type/Device Code	R5F140PLAFB

[Specification of Resonator]

Model	DSX321G
Nominal Frequency	20.000MHz
Load Capacitance	10.0pF
Series Resistance	60Ω max.

[Measurement Results]

C1=12pF, C2=12pF, VDD=+3.3V

Negative Resistance	-470Ω
Drive Level	67μW
Frequency Deviation	+7ppm

C1=12pF, C2=12pF, VDD=+5.0V

Negative Resistance	-470Ω
Drive Level	68μW
Frequency Deviation	+7ppm

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