

Crystal Unit

Product	FCX-04C
Model number	10.000MHZ-J21139
Nominal frequency	10.000000 MHz
Overtone order [Cut]	Fundamental [AT-cut]
Load capacitance	6 pF
Equivalent series resistance	250Ω Max.
Frequency tolerance	±30 ppm (@25°C)

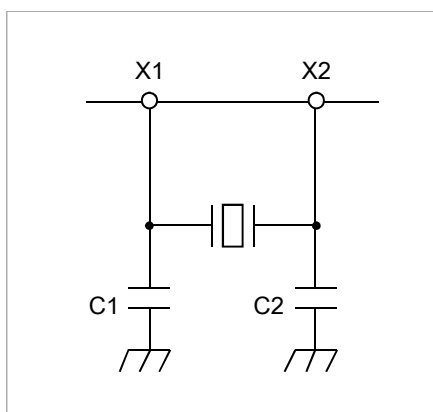
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Manufacturer	Renesas Electronics
Series	RL78/G13
Model	R5F100xxx

Recommended Condition for Stable Oscillation

Negative resistance	1250Ω Min.
Drive level	300 μW Max.

Circuit Diagram



Evaluation Result

Flash operation mode of RL78/G13	C1 [pF]	C2 [pF]	VDD [V]	Negative resistance [Ω]	Drive level [μW]	Frequency deviation [ppm]
HS (high speed main) mode	4	4	+2.4	1470	40	+44.1
			+2.70	1470	40	+44.3
			+2.75	1470	40	+44.3
			+5.5	1670	40	+45.4
			+6.0	1670	40	+45.7

* Ambient temperature: 25°C

RIVER

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