

## Crystal Unit

Product	FCX-06
Model number	16.000MHZ-J21137
Nominal frequency	16.000000 MHz
Overtone order [Cut]	Fundamental [AT-cut]
Load capacitance	5 pF
Equivalent series resistance	200Ω Max.
Frequency tolerance	±30 ppm (@25°C)

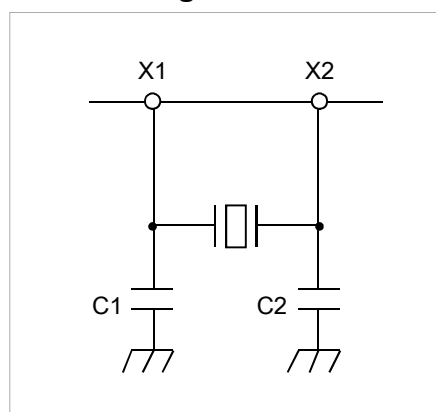
## IC

Manufacturer	Renesas Electronics
Series	RL78/G14
Model	R5F104xxx

## Recommended Condition for Stable Oscillation

Negative resistance	1000Ω Min.
Drive level	300 μW Max.

## Circuit Diagram



## Evaluation Result

Flash operation mode of RL78/G14	C1 [pF]	C2 [pF]	VDD [V]	Negative resistance [Ω]	Drive level [μW]	Frequency deviation [ppm]
HS (high speed main) mode	4	4	+2.4	1200	80	+2.9
			+2.70	1200	80	+2.9
			+2.75	1200	80	+2.9
			+5.5	1200	80	+3.4
			+6.0	1200	80	+3.5

\* Ambient temperature: 25°C

# RIVER

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