

[IC information]

Manufacture	Infineon Technologies AG
Series/Product	TVII-B-E-1M
Type/Device Code	CYT2B78CADES

[Specification of Resonator]

Model	DST1610A
Nominal Frequency	32.768kHz
Load Capacitance	8.0pF
Series Resistance	100k Ω max.

[Measurement Results]

C1=15pF, C2=15pF, VDD=+2.7V

Negative Resistance	-620k Ω
Drive Level	0.2 μ W
Frequency Deviation	-16ppm

C1=15pF, C2=15pF, VDD=+5.0V

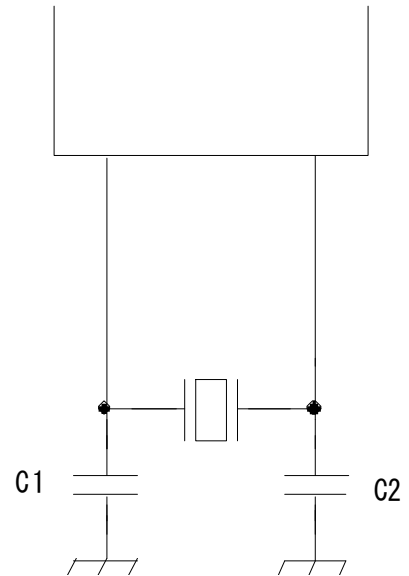
Negative Resistance	-620k Ω
Drive Level	0.2 μ W
Frequency Deviation	-11ppm

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	Infineon Technologies AG
Series/Product	TVII-B-E-1M
Type/Device Code	CYT2B78CADES

[Specification of Resonator]

Model	DST310S
Nominal Frequency	32.768kHz
Load Capacitance	8.0pF
Series Resistance	80k Ω max.

[Measurement Results]

C1=12pF, C2=12pF, VDD=+2.7V

Negative Resistance	-750k Ω
Drive Level	0.1 μ W
Frequency Deviation	+18ppm

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

Negative Resistance	-750k Ω
Drive Level	0.1 μ W
Frequency Deviation	+24ppm

Measurement Results are for Reference only.

Therefore, it is necessary to conduct a survey on your board.

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[Oscillation Diagram]