

[IC information]

Manufacture	LAPIS Technology
Series/Product	ML22120
Type/Device Code	ML22120**

[Specification of Resonator]

Model	SMD-49
Nominal Frequency	4.096MHz
Load Capacitance	16.0pF
Series Resistance	120Ωmax.

[Measurement Results]

$R_d=0\Omega$, $C1=22\text{pF}$, $C2=22\text{pF}$ $V_{dd}=+2.6\text{V}$

Negative Resistance	-2400
Drive Level	25
Frequency Deviation	-1

$R_d=0\Omega$, $C1=22\text{pF}$, $C2=22\text{pF}$ $V_{dd}=+3.7\text{V}$

Negative Resistance	-4300
Drive Level	39
Frequency Deviation	+1

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]