

CMOS/ 1.8V, 2.5V, 3.3V Compatible/ 2.5x2.0mm



RoHS Compliant

## Specifications

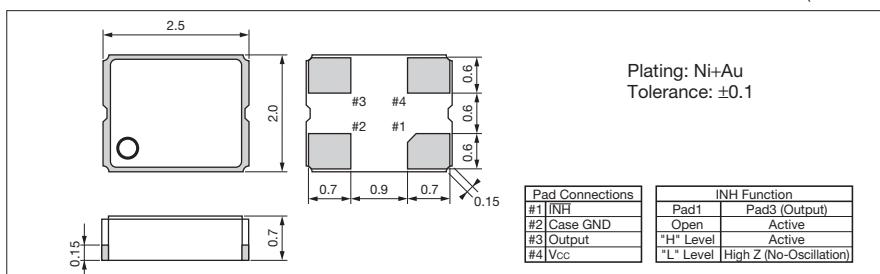
Item	Symbol	Conditions	Specifications	Units
			Min.	Max.
<b>Output Frequency Range</b>	fo		1.5	125
<b>Frequency Tolerance</b>	f_tol	Initial tolerance, Operating temperature range, Rated power supply voltage change, Aging (1 year @25°C), Shock and vibration	-100	+100
<b>Storage Temperature Range</b>	T_stg	Standard Specifications	-50	+50
<b>Operating Temperature Range</b>	T_use	Extend (Option)	-30	+30
<b>Max. Supply Voltage</b>	—	1.5≤fo≤80MHz 80<fo≤125MHz	-0.6	+6.0
<b>Supply Voltage</b>	Vcc	— 1.5≤fo≤24MHz 24<fo≤40MHz 40<fo≤60MHz 60<fo≤80MHz 80<fo≤125MHz	-0.3	+4.0
<b>Current Consumption (Maximum Loaded/ 1.6≤Vcc≤2.0V)</b>	Icc	— 1.5≤fo≤24MHz 24<fo≤40MHz 40<fo≤60MHz 60<fo≤80MHz 80<fo≤125MHz	+1.6	+3.63
<b>Current Consumption (Maximum Loaded/ 2.0&lt;Vcc≤2.8V)</b>	Icc	— 1.5≤fo≤24MHz 24<fo≤40MHz 40<fo≤60MHz 60<fo≤80MHz 80<fo≤125MHz	—	2.5
<b>Current Consumption (Maximum Loaded/ 2.8&lt;Vcc≤3.63V)</b>	Icc	— 1.5≤fo≤24MHz 24<fo≤40MHz 40<fo≤60MHz 60<fo≤80MHz 80<fo≤125MHz	—	3.5
<b>Stand-by Current Symmetry</b>	I_std SYM	@50%Vcc	—	5.0
<b>Rise/ Fall Time (10% Vcc to 90% Vcc Maximum Loaded)</b>	tr/ tf	1.6≤Vcc≤2.0V/ 1.5<fo≤80MHz 2.0<Vcc≤2.8V/ 1.5<fo≤80MHz 2.8<Vcc≤3.63V/ 1.5<fo≤80MHz 1.6≤Vcc≤3.63V/ 80<fo≤125MHz	—	6.5
<b>Low Level Output Voltage</b>	V <sub>OL</sub>	I <sub>OL</sub> =4mA	—	10%Vcc
<b>High Level Output Voltage</b>	V <sub>OH</sub>	I <sub>OH</sub> =4mA	90%Vcc	—
<b>Output Load</b>	L_CMOs	CMOS Output	—	15 pF
<b>Low Level Input Voltage</b>	V <sub>IL</sub>		—	30%Vcc
<b>High Level Input Voltage</b>	V <sub>IH</sub>		70%Vcc	—
<b>Disable Time</b>	t <sub>dis</sub>		—	100 ns
<b>Enable Time</b>	t <sub>ena</sub>		—	5 ms
<b>Start-up Time</b>	t <sub>str</sub>	@Minimum operating voltage to be 0 sec.	—	10 ms
<b>1 Sigma Jitter</b>	J <sub>Sigma</sub>	Measured with Wavecrest SIA-3000	1.5≤fo≤80MHz 80<fo≤125MHz	8 ps
<b>Peak to Peak Jitter</b>	JPK-PK	Measured with Wavecrest SIA-3000	1.5≤fo≤80MHz 80<fo≤125MHz	40 ps

Note: All electrical characteristics are defined at the maximum load and operating temperature range.

Please contact us for inquiry about operating temperature range, available frequencies and other conditions.

## Dimensions

(Unit: mm)



## Recommended Land Pattern

(Unit: mm)

