



CMOS/ 1.8V to 3.3V/ 2.0×1.6mm



RoHS Compliant

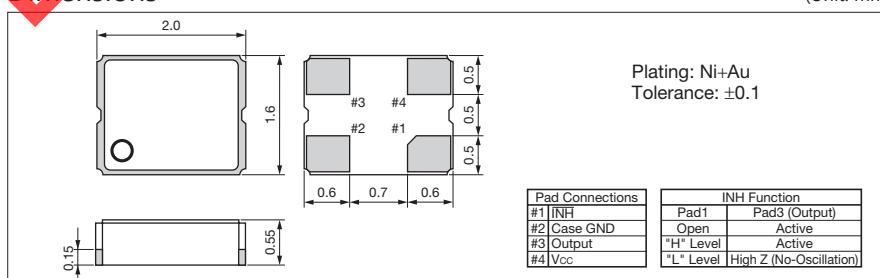
Specifications

Item	Symbol	Conditions	Min.	Max.	Unit
Output Frequency Range	fo		-1.5	50	MHz
Frequency Tolerance	f_tol	Initial tolerance, Operating temperature range, Rated power supply voltage change, Aging (1 year @25°C), Shock and vibration	-100	+100	×10 ⁻⁶
		Temp.: -40 to +85°C	-50	+50	
		Temp.: -10 to +70°C / -40 to +85°C / -40 to +105°C	-30	+30	
		Temp.: -10 to +70°C	-25	+25	
		Temp.: -10 to +70°C	-55	+125	
Storage Temperature Range	T_stg		-10	+70	°C
Operating Temperature Range	T_use	Standard Specifications	-40	+85	°C
		Extend (Option)	-40	+105	
Max. Supply Voltage	—	1.5≤fo≤24MHz	-0.6	+6.0	V
Supply Voltage	Vcc	24<fo≤40MHz	+1.6	+3.63	V
Current Consumption (Maximum Loaded/ 1.6≤Vcc≤2.0V)	Icc	40<fo≤50MHz	—	2.5	mA
Current Consumption (Maximum Loaded/ 2.0<Vcc≤2.8V)	Icc	1.5≤fo≤24MHz	—	3.5	
Current Consumption (Maximum Loaded/ 2.8<Vcc≤3.63V)	Icc	24<fo≤40MHz	—	4.5	
Stand-by Current	I_std	40<fo≤50MHz	—	3.0	
Symmetry	SYM	1.5≤fo≤24MHz	—	4.5	
Rise/ Fall Time (10% Vcc to 90% Vcc Maximum Loaded)	Tr/ Tf	24<fo≤40MHz	—	5.0	ns
Low Level Output Voltage	VOL	40<fo≤50MHz	—	3.5	
High Level Output Voltage	Voh	1.5≤fo≤24MHz	—	5.0	
CMOS Load	L_CMOs	24<fo≤40MHz	—	4.5	
Input Voltage Range	VIN	40<fo≤50MHz	—	6.0	
Low Level Input Voltage	VIL	1.5≤fo≤24MHz	—	10% Vcc	V
High Level Input Voltage	VIH	24<fo≤40MHz	—	90% Vcc	V
Disable Time	t_dis	40<fo≤50MHz	—	15	pF
Enable Time	t_ena	1.5≤fo≤24MHz	0	Vcc	V
Start-up Time	t_str	24<fo≤40MHz	—	30% Vcc	V
Sigma Jitter	JSigma	40<fo≤50MHz	70% Vcc	—	V
Peak to Peak Jitter	JPK-PK	Measured with Wavecrest SIA-3000	—	100	ns
			—	5	ms
			—	10	ms
			—	8	ps
			—	80	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



Recommended Land Pattern

