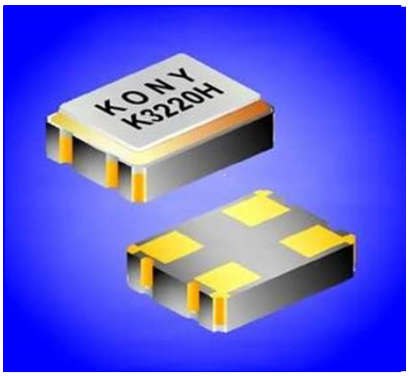
SPECIFICATION OF OSCILLATOR

K3220H Series

Crystal Oscillators



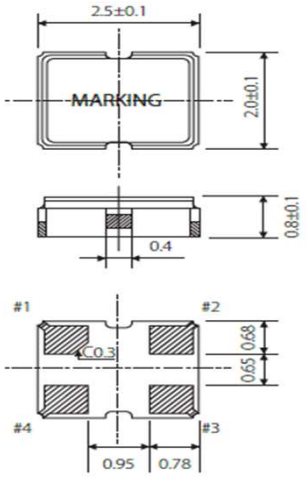
Application

-. Cellular / PC Mainboard / DVD
DSC / Game Console / Scanner
-. Pb free product

Options

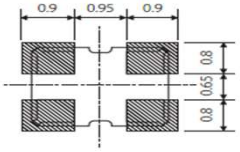
-. TAPE & REEL

Dimension(mm)

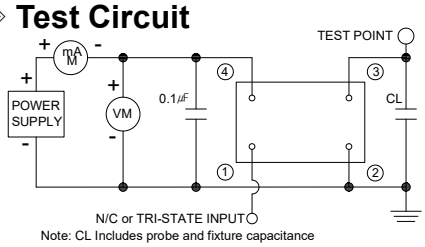


No.	Pin Connection
# 1	Tri-State or N/C
# 2	GND
# 3	Output
# 4	Vdc

Recommended Land Pattern

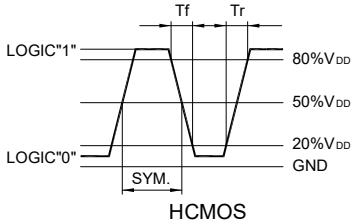


Test Circuit



Note: CL Includes probe and fixture capacitance

Output Waveform



HCMOS

Standard Specification

(Nominal frequency referenced to frequency at 25 ℃±2 ℃)

	K3220H
Logic Family	CMOS
Frequency Range	1.00 MHz ~ 60.000 MHz
Frequency Stability	+/-25ppm , +/-50ppm , +/-100ppm
Operating Temp.Range	-20℃ ~ +70℃, -40℃ ~ +85℃
Storage Temp.Range	-55℃ ~ +125℃
Input Voltage	+ 3.3 Vdc ± 5%
Input Current	8 mA Max
High Level ("1")	+90% V_{DD} Min
Low Level ("0")	+10% V_{DD} Max
Rise & Fall Time	10 ns Max
Symmetry	40% ~ 60% (@ +50% V_{DD} Level)
Output Load	15pF

Parts Number Guide

Classification	Description									
Example	K	3	2	2	0	H	C	E	--	20.000000 MHz (Frequency)
Logo	K									KONY
Supply Voltage		3								3.3Volt
Package size			2	2						2.5 X 2.0mm
Temperature Range					0					-20 ~ +70C
					2					-40 ~ + 85C
Logic & Duty						G				HCMOS, 45~55%
						H				HCMOS, 40~60%
Frequency Stability							A			+/-25ppm
							B			+/-50ppm
							C			+/-100ppm
N/C or Tri-state								( )		No Tri-state
								E		Tri-state

All specifications are subject to change without notice

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