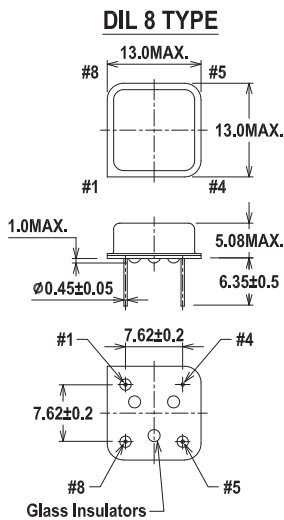
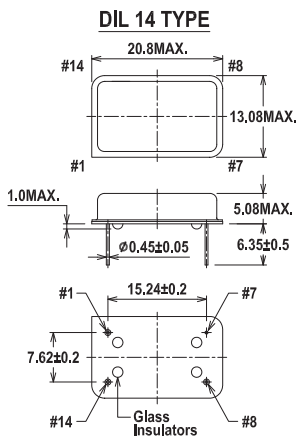
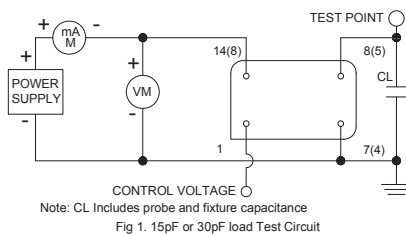


Dimension(mm)



No.	Pin Connection
# 1	Control Voltage
# 7 (4)	GND
# 8 (5)	Output
# 14 (8)	Vdc

Test Circuit



Application

- Phase-locked loops encountered in Telecom, LAN and Wireless data, and in video processing applications LVCMOS, LVTTTL compatible.
- Pb free product

Options

- Stick
- Tape & Reel

Standard Specification

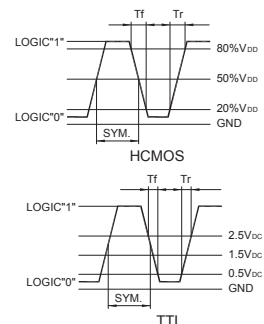
(Nominal frequency referenced to frequency at 25 °C ± 2 °C)

	+5Volt		+3.3Volt	
Logic Family	TTL or HCMOS		HCMOS	
Frequency Range	1.544 ~ 20MHz	20+ ~ 35.3280MHz	1.544 ~ 20MHz	20+ ~ 35.3280MHz
Frequency Stability	+/-25ppm, +/-30ppm, +/-50ppm			
Operating Temp.Range	0°C ~ +70°C, -10°C ~ +70°C, -40°C ~ +85°C			
Storage Temp.Range	-55°C ~ +125°C			
Input Voltage	+ 5.0 Vdc ± 10%		+ 3.3 Vdc ± 10%	
Control Voltage	1.0 ~ 4.0Volt, 0.5 ~ 4.5 Volt, 0.0 ~ 5.0Volt		0.3 ~ 3.0 Volt or 0.0 ~ 3.3Volt	
Pullability	+/-50ppm, +/-100ppm, +/-150ppm, +/-200ppm		+/-50ppm, +/-100ppm, +/-150ppm, +/-200ppm	
Input Current	20mA Max	25mA Max	20mA Max	25mA Max
High Level ("1")	+2.4Volt Min@TTL or +90% VDD Min@HCMOS		+90% VDD Min	
Low Level ("0")	+0.4Volt Max@TTL or +10% VDD Max@HCMOS		+10% VDD Max	
Rise & Fall Time	10 ns Max			
Symmetry	40% ~ 60% (@ +1.4Volt DC Level@TTL or +50% VDD@HCMOS)		40% ~ 60% (@ +1.4Volt DC Level or +50% VDD)	
Output Load	1TTL, 2TTL, 5TTL, 10TTL or 15pF, 30pF		15pF, 30pF	

Parts Number Guide

Classification	Description									
Example	M	5	B	H	7	2	F	--	14.318180 MHz (Frequency)	
Logo	M									MDX-KONY
Input Voltage		3								+3.3Volt
		5								+5.0volt
Frequency Stability			1							+/-50ppm (0 ~ 70°C)
			A							+/-25ppm (0 ~ 70°C)
			B							+/-50ppm (-40 ~ 85°C)
			C							+/-50ppm (-10 ~ 70°C)
			D							+/-30ppm (0 ~ 70°C)
Logic			H							Custom HCMOS
Control Voltage					5					0.3 ~ 3.0Volt@+1.65Volt
					6					0.0 ~ 3.3Volt@+1.65Volt
					7					+2.5@±2.5Volt
					8					+2.5@±2.0Volt
					9					+2.5@±1.5Volt
Pullability						1				+/-50ppm
						2				+/-100ppm
						3				+/-150ppm
						A				+/-120ppm
Package Size								B		+/-200ppm
							F			Standard size(DIL 14)
							K			Standard size Gull wing
							H			Half(DIL 8)
							J			Half size Gull wing

Output Waveform



Ref 2009-02b - All specifications are subject to change without notice

