



14-PIN DIP TTL OSCILLATORS NFTL

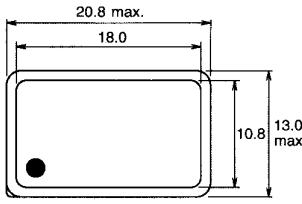
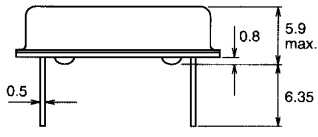
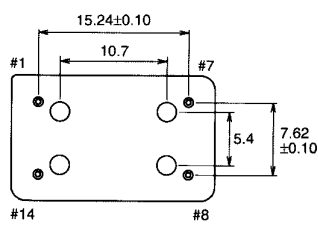


FREQUENCY STABILITY		OPERATING CONDITIONS	
MODEL	FREQUENCY STABILITY	Operating Temperature	-10 ~ +70°C, -40 ~ +85°C
NF1TL	±100 PPM/-10 ~ +70°C	Storage Temperature	-55 ~ +125°C
NF2TL	± 50 PPM/-10 ~ +70°C	Supply Voltage (V _{DD})	+5.0V±0.5V
NF3TL	± 25 PPM/-10 ~ +70°C		
NF1TLR	±100 PPM/-40 ~ +85°C		

ELECTRICAL CHARACTERISTICS (Ta=25°C, V _{DD} =5.0V, C _L =15pF, R _L =noted below)			
PARAMETERS	CONDITIONS	FREQUENCY RANGE (MHz)	SPECIFICATIONS
Input Current (I _{DD})		1.800 ~ 25.000	13mA Max.
		25.000+ ~ 50.000	15mA Max.
		50.000+ ~ 80.000	25mA Max.
Frequency Stability	All conditions (Note)	1.800 ~ 50.000	±25 PPM ~ ±100 PPM
		50.000+ ~ 80.000	±50 PPM ~ ±100 PPM
Symmetry	@ 1.4V	1.800 ~ 80.000	45/55%
Output Voltage (V _{OL})	"0" Level	1.800 ~ 25.000	0.4V Max.
		25.000+ ~ 80.000	0.5V Max.
Output Voltage (V _{OH})	"1" Level	1.800 ~ 80.000	2.4V Min.
Rise Time (T _R)	0.4V to 2.4V	1.800 ~ 25.000	5nS Max.
	0.5V to 2.4V	25.000+ ~ 80.000	5nS Max.
Fall Time (T _F)	2.4V to 0.4V	1.800 ~ 25.000	5nS Max.
	2.4V to 0.5V	25.000+ ~ 80.000	5nS Max.
Output Current (I _{OL})	"0" Level	1.800 ~ 25.000	16mA Min.
		25.000+ ~ 80.000	4mA Min.
	"1" Level	1.800 ~ 25.000	3mA Min.
		25.000+ ~ 80.000	1mA Min.
Driving Ability	R _L =400 Ω	1.800 ~ 25.000	10 N-TTL Max.
	R _L =2k Ω	25.000+ ~ 80.000	10 LS-TTL Max.
Start-up Time	0.0V to 5.0V	1.800 ~ 80.000	5mS Max.

Note: Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock and vibration.

DIMENSIONS (mm)	
-----------------	--

Pin Connections	
# 1	NC
# 7	GND
# 8	OUT
#14	V _{DD}