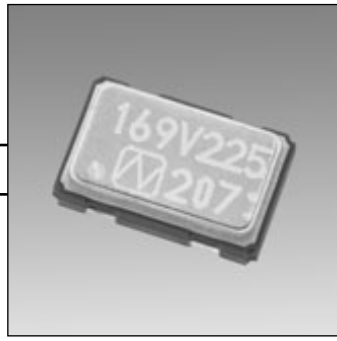
CRYSTAL CLOCK OSCILLATORS

Two Frequency Selectable Type

2795V SERIES



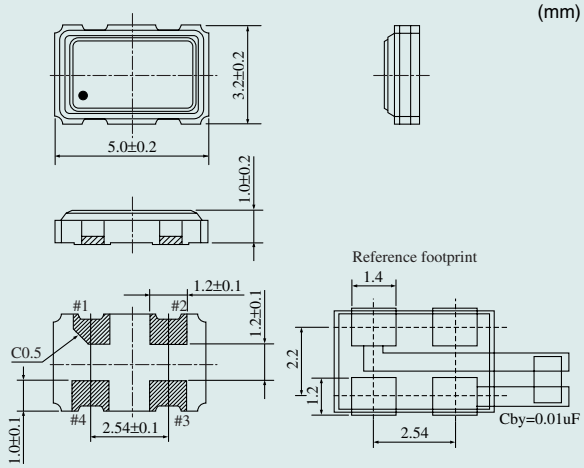
■ Features

- Supply voltage 5.0V.
- Directly drives TTL IC.
- The frequency writing technology makes quick delivery possible.
- Two frequencies are switched according to the input voltage (H level or L level) of pad #1.
- The PLL technology enables this series to cover the frequency range from 1 to 125MHz.
- Height compatible with slim IC package (TSSOP, TVSOP).
- Embossed carrier tape and IR reflow (lead-free) are possible.

■ Absolute Maximum Rating
Supply Voltage (V_{DD}) –0.5~+7.0V DC
Storage Temperature Range –40~+85°C

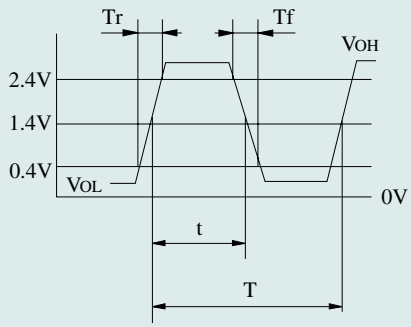
Item \ Model		2795V		
Output Level		TTL		
Frequency Range	(MHz)	1≦F≦40	40<F≦70	70<F≦125
Frequency Stability /Operating Temp. Range	($\times10^{-6}$)/(°C)	±100/–20~+70 (Standard Model), ±50/–10~+70		
Supply Voltage (V_{DD})	(V)	+5.0±0.5		
Current Consumption	+5V, +25°C	25mA (max)	40mA (max)	50mA (max)
V_{OL} max / V_{OH} min	(V)	0.4/2.4 (I_{OL}=8mA, I_{OH}=–8mA)		
Tr max/Tf max	(ns)	2.5/2.5 (0.4V~2.4V)		
Duty Cycle	(%)	40~60 (at 1.4V)		
Fanout	TTL GATE	5		

■ 2795V Series Outline



PAD No.	Connection
# 1	Freq. Select
# 2	GND
# 3	OUTPUT
# 4	V_{DD}

■ Output Wave <TTL>



Duty Cycle = t/T×100 [%]

■ Two Frequency Selectable Function

# 1 input	# 3 output
H level (+2V_{DD}min) or open	F1
L level (0.8V_{DD}max)	F2