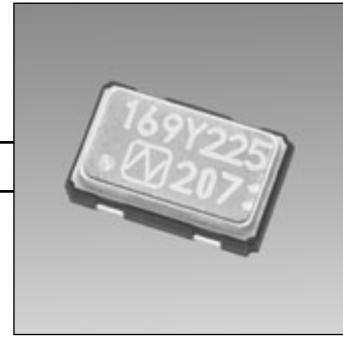


CRYSTAL CLOCK OSCILLATORS

Two Frequency Selectable Type

2795Y SERIES



■ Features

- Supply voltage 3.3V.
- Directly drives C-MOS 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). (5.0×3.2×1.0mm)
- Embossed carrier tape and IR reflow (lead-free) are possible.

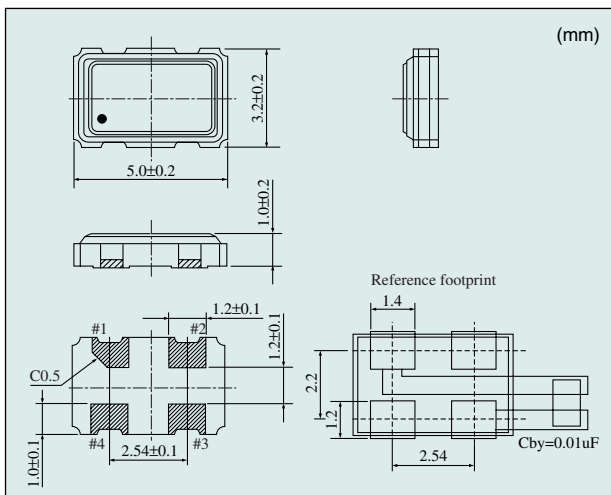
■ Absolute Maximum Rating

Supply Voltage (V_{DD}) -0.5~+7.0V DC

Storage Temperature Range -40~+85°C

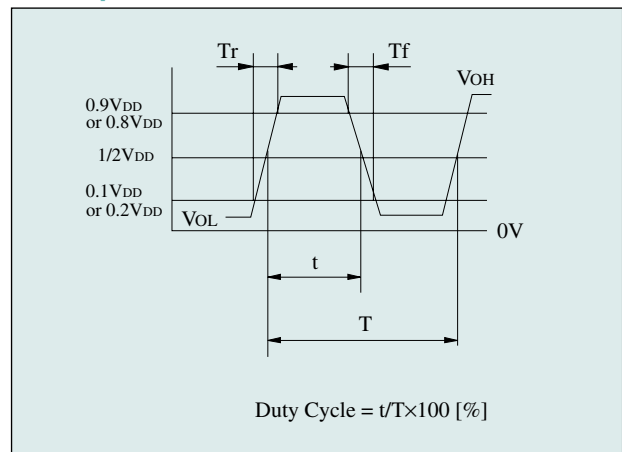
Item	Model	2795Y		
Output Level		C-MOS		
Frequency Range (F1, F2)	(MHz)	1≤F≤40	40<F≤70	70<F≤125
Frequency Stability /Operating Temp. Range	(×10 ⁻⁶)/(°C)	±100/-20~+70 (Standard Model), ±50/-10~+70		
Supply Voltage (V _{DD})	(V)	+3.3±0.3		
Current Consumption	+5V, +25°C	15mA (max)	22mA (max)	30mA (max)
V _{OL} max / V _{OH} min	(V)	0.1V _{DD} /0.9V _{DD} (I _{OL} =4mA, I _{OH} =-4mA)		
Tr max/Tf max	(ns)	5/5 (0.1V _{DD} ~0.9V _{DD})		3/3 (0.2V _{DD} ~0.8V _{DD})
Duty Cycle	(%)	45~55 (at 1/2V _{DD})		40~60 (at 1/2V _{DD})
Fanout	CL(pF)	15		

■ 2795Y Series Outline



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

■ Output Wave <C-MOS>



■ Two Frequency Selectable Function

# 1 input	# 3 output
H level (0.7V _{DD} ≤ V _{IH} ≤ V _{DD}) or open	F1
L level (0.2V _{DD} max)	F2