

CRYSTAL CLOCK OSCILLATORS

1620L • 1630L SERIES

■ Features

- Satisfying part 15, class B of FCC EMI regulation.
- Directly drives the C-MOS IC.
- Compact and light weight : height 4.7mm, volume 0.4cm³, weight 1.5g.
- High reliability.
(metal hermetic sealed crystal unit is inhoused)
- Applicable for reflow automatic mounting processes.
- Frequency range : 1MHz to 70MHz.
- Stand-by function for output : Tri-state output.
- Static electricity proof package : tape & reel.

■ Absolute Maximum Rating

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

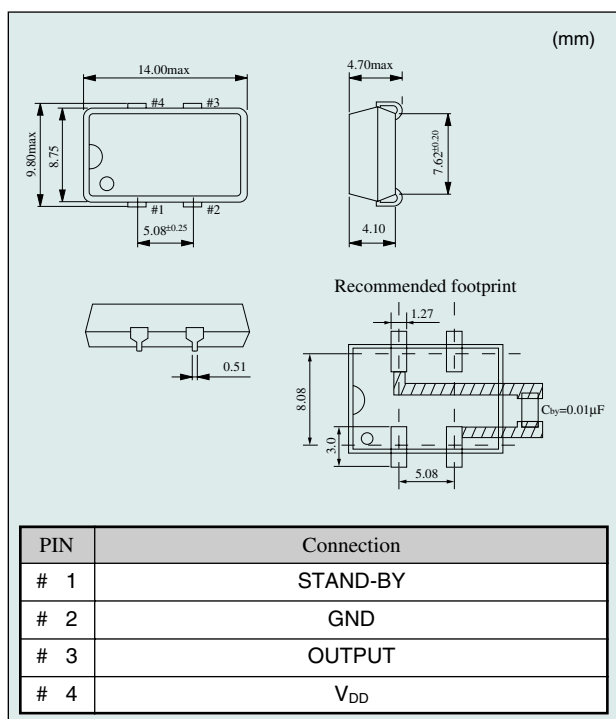
Storage Temperature Range -55~+125°C

Model		1629L	1631L	1632L	1633L	1634L	1635L
Frequency Range	(MHz)	1~26	26~30	30~34	34~42	42~55	55~70
Frequency Stability	(×10 ⁻⁶)	±100	±50, ±100				
Operating Temp. Range	(°C)	-20~+70					
Supply Voltage (V _{DD})	(V)	+5±10%					
Current Consumption	(mA) +5VDC, 25°C	8 (TYP) 15 (max)	15 (TYP) 20 (max)		18 (TYP) 25 (max)	22 (TYP) 30 (max)	25 (TYP) 35 (max)
V _{OL} max/V _{OH} min	(V)	0.5/V _{DD} -0.5 I _{OL} =4mA I _{OH} =-4mA					
Tr max/Tf max	(ns)	7/7 (0.1V _{DD} ~0.9V _{DD})					
Duty Cycle	(%)	45~55 (at +1/2V _{DD})					
Fanout (gate)	C _L (pF)	15					
Stand-by Function	Tri-state	Yes					

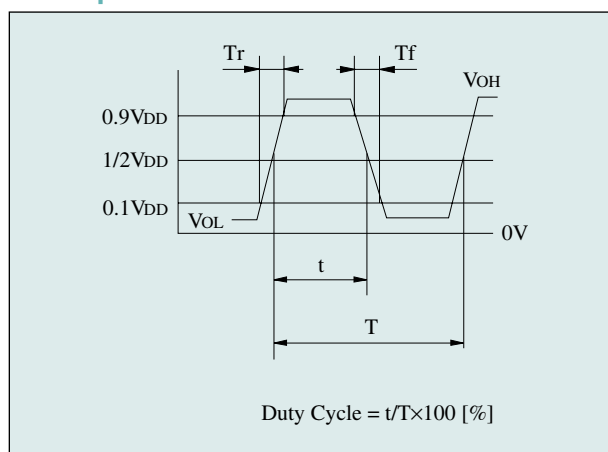
Note : Please study carefully regarding pattern layout and set shielding when you design your circuit with this device.

In addition to above listed, 1629L with freq. stability ±50×10⁻⁶ is available. Please contact us if information is needed.

■ 1620L • 1630L Series Outline



■ Output Wave <C-MOS>



■ Stand-by Function <Tri-state>

# 1 pin input	# 3 pin output
H level (+3.5 Vmin) or open	Operating
L level (+0.8 Vmax)	High impedance