

1620D • 1630D SERIES

■ Features

- Directly drives the C-MOS IC.
- Supply Voltage 3.3V.
- Compact and light weight : height 4.7mm, volume 0.4cm³, weight 1.5g.
- High reliability.
(metal hermetic sealed crystal unit is inhouse)
- 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

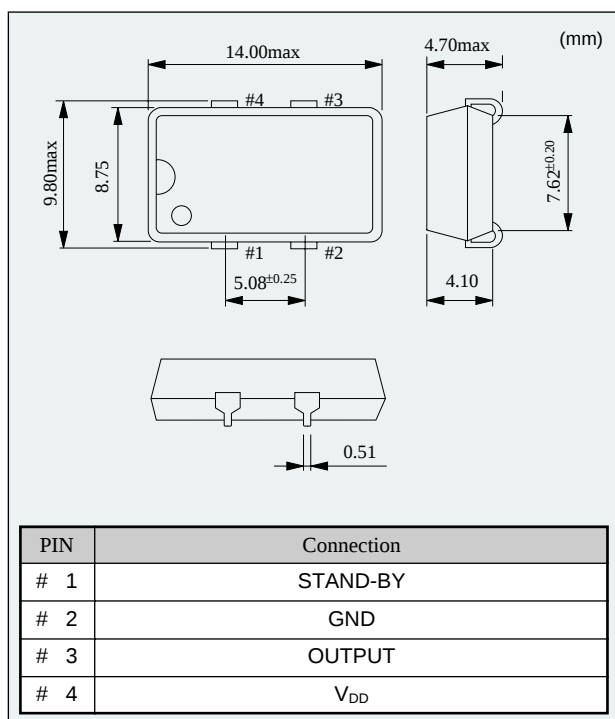
Supply Voltage (V_{DD}) -0.5~+7.0V DC

Storage Temperature Range -55~+125°C

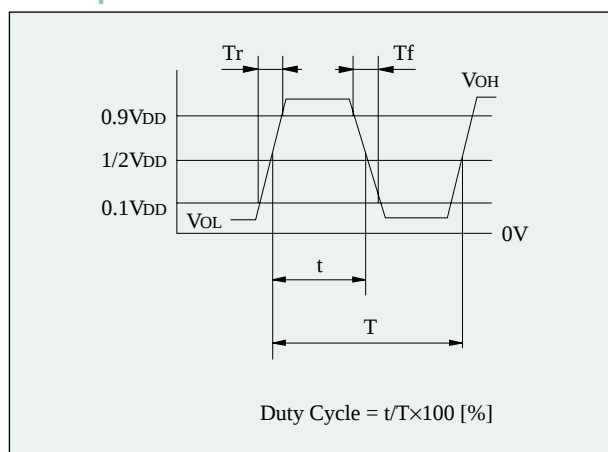
Item	Model	1629D	1631D	1632D	1633D	1634D
Frequency Range	(MHz)	1~26	26~33	33~43	43~60	60~70
Frequency Stability	(×10 ⁻⁶)	±100				
Operating Temp. Range	(°C)	-20~+70				
Supply Voltage (V _{DD})	(V)	+3.3±0.3				
Current Consumption	(mA) +3.3, 25°C	4 (TYP) 8 (max)	7 (TYP) 11 (max)	9 (TYP) 13 (max)	12 (TYP) 20 (max)	16 (TYP) 25 (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})				
Duty Cycle	(%)	40~60 (at +1/2V _{DD})				
Fanout (gate)	C _L (pF)	15				
Stand-by Function	Tri-state	Yes				

Note : The values of Current Consumption, Tr/Tf, Duty Cycle show the standard values under C_L=15pF.

■ 1620D • 1630D Series Outline



■ Output Wave <C-MOS>



■ Stand-by Function <Tri-state>

# 1 pin input	# 3 pin output
H level (+0.7 V _{DD} min) or open	Operating
L level (+0.15 V _{DD} max)	High impedance