

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 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.

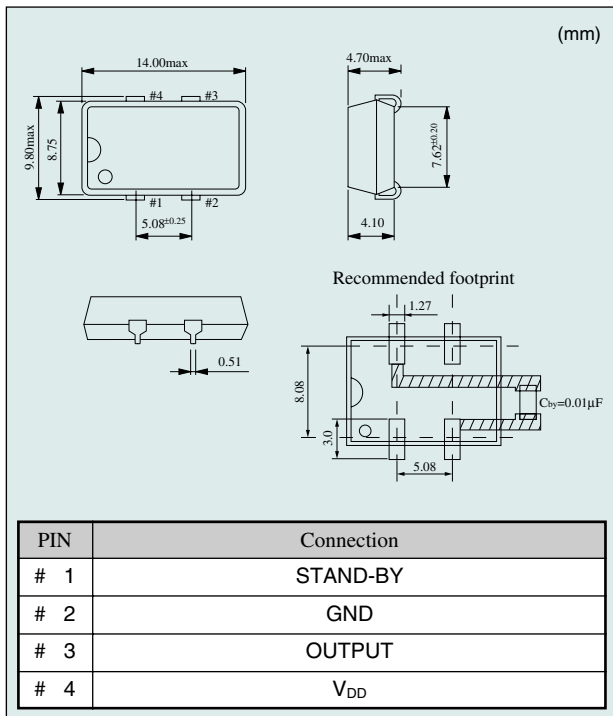
■ Absolute Maximum Rating

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

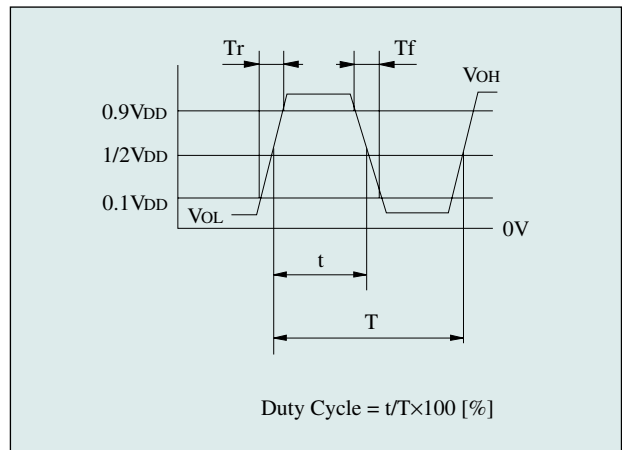
Storage Temperature Range -55~+125°C

| 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 | | | | |

■ 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 |