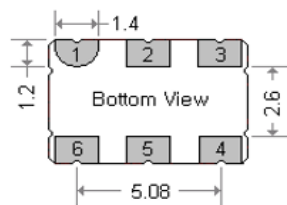
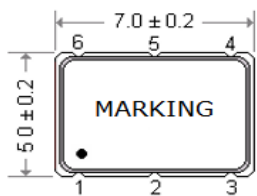


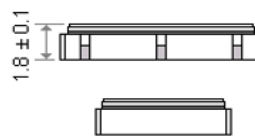
● SPECIFICATION

| | | |
|--------------------------------|--|-----------------------|
| Model | OSCLD-S7 Series | |
| Power supply voltage | 2.5V DC $\pm 5\%$ | 3.3V DC $\pm 5\%$ |
| Output level | LVDS | |
| Frequency range | 15.000 ~ 160.000 MHz | 160.000 ~ 622.080 MHz |
| Storage temperature range | - 55°C ~ + 125°C | |
| Operation temperature range | - 10°C ~ + 70°C , - 40°C ~ + 85°C , - 40°C ~ + 125°C | |
| Frequency stability | ± 25 ppm ~ ± 100 ppm | |
| Current consumption | 50mA max | 110mA max |
| Output Load | 100 Ω | |
| Output voltage level (VoH) | 1.60V max. | |
| Output voltage level (VoL) | 0.90V min. | |
| Differential Output voltage | 247mV (min.) 330mV (Typ.) 454V (max.) | |
| Start-up Time | 10 m sec. max. | |
| Duty cycle | 45% ~ 55% | |
| Enable input voltage (ViH) | 1.750V min. | 2.310V min. |
| Disable input voltage (ViH) | 0.750V max. | 0.990V max. |
| RISE / FALL TIME (20% / 80%) | 40.000~100.000MHz : 1.0nS max. | |
| | 100.000~160.000MHz : 0.5nS max | |
| | 160.000~622.080MHz : 0.7nS max | |
| Phase Jitter RMS (12KHz~20KHz) | 1ps max. | 5ps max. |
| AGING | ± 3 ppm / Year | |

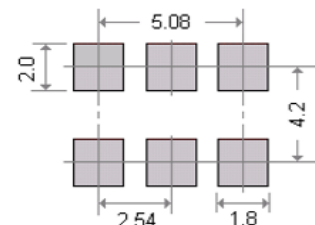
● DIMENSIONS (mm)



Pad Connections :

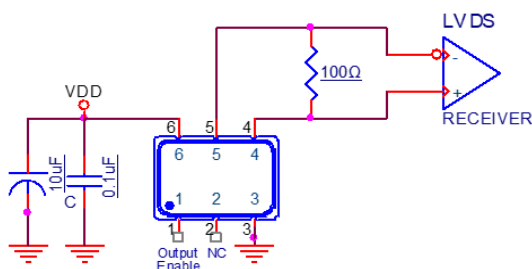


Pad 1 : OE
 Pad 2 : No connection
 Pad 3 : Ground
 Pad 4 : Output
 Pad 5 : Complimentary output
 Pad 6 : Supply voltage



Recommended Land Pattern

● TEST CIRCUIT



● OUTPUT WAVEFORM

