

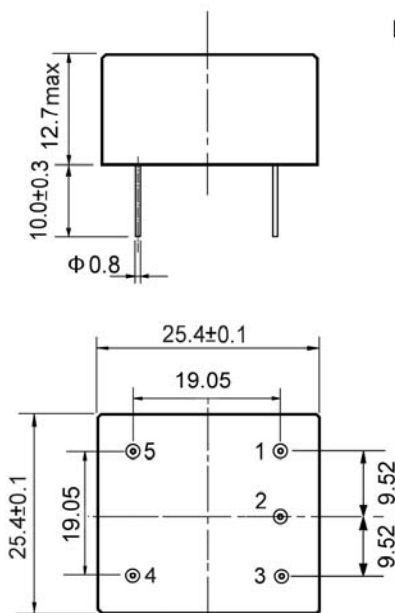
OD01

- ◆ Small Package
- ◆ Good stability oven controlled crystal oscillator

Table1 Specifications

| Parameter | | OD01 |
|-----------------------------|--------------------------|---|
| Standard Frequency | | 10MHz |
| Frequency Stability | vs Operation Temp. Range | $\pm 2 \times 10^{-9}$ |
| | vs Vcc Change $\pm 5\%$ | $\pm 1 \times 10^{-9}$ |
| | vs Load Change $\pm 5\%$ | $\pm 1 \times 10^{-9}$ |
| | vs Aging | $\pm 1.5 \times 10^{-7}$ /year, $\pm 1 \times 10^{-9}$ /day @25°C after 30 days operation |
| Operation Temperature Range | | -5~+70°C |
| Supply Voltage | | +5V $\pm 5\%$ |
| Current Consumption | | 700mA max at Turn-on, 300mA max after warm up at 25°C |
| Output | Wave Form | Squarewave |
| | Load | 15pF//1k ohms |
| | Level | $V_{OL} < 0.4v$ $V_{OH} > 2.4v$ |
| | Duty | 50% $\pm 5\%$ |
| | Rise/Fall Time | <5ns (10% to 90% output signal) |
| | Spurious | -70dBc |
| SSB Phase Noise | | -115dBc@10Hz |
| | | -135dBc@100kHz |
| | | -145dBc@1kHz |
| | | -150dBc@10kHz |
| Package | | 25A |
| Storage Temperature Range | | -40~+85°C |

Dimensions:



PIN Function

- 1 Input Voltage Control
- 2 Ref. Voltage Output
- 3 Supply Input
- 4 Signal Output
- 5 GND