

YIC OCXO(OX Series)

OX Series : Oven Controlled Crystal Oscillator

1.000 - 170.000MHz

● SPECIFICATION

| | | |
|--------------------------------|-----------------------------------|--|
| Frequency Range | | 1.000 ~ 170.000MHz |
| Input Voltage (VDD) | | +5V |
| Operation Temperature | | -10°C ~ +70°C Typical, (-40°C ~ +85°C Available) |
| TTL/CMOS Square Wave Output | Logic High "1" / Logic Low "0" | 90% VDDmin / 10% VDDmin |
| | Duty Cycle | 40~60% measured at 50% VDD |
| | Rise Time & Fall Time | 10nsec max (90% ↔ 10%) VDD |
| | Load | 15pF |
| Input Impedance | | 10KΩ Typical |
| Frequency Stability | | ±0.05, ±0.1, ±0.2, ±0.3, ±0.5PPM |
| Wram Time | | 3 minutes at 25 °C |
| Power Dissipation | | 0.6W at steady-state at 25°C, 1.6W at turn on |
| Aging | | Less than ± 1.0PPM 1st year, ±4.7PPM over 10 years |

● PART NUMBERING

| OX | Package Code | Input Voltage | Output Code | Operation Temperature | Frequency | Stability | Custom Speci. |
|----|--------------------------------|---------------|---------------|-----------------------|-----------|------------------|---------------|
| | Through - Hole : | 3 : 3V | S: Sine Wave | 1 : -10 ~ + 60°C | | 0.05 : ± 0.05PPM | * |
| | 51517: 50.8x50.8x19.0(H)mm ,7P | 5 : 5V | T: TTL / CMOS | Blak : -10 ~ + 70°C | In MHz | 0.1 : ± 0.1PPM | |
| | 39394: 38.8x38.8x16.0(H)mm ,4P | 12 : 12V | Square Wave | 2 : -20 ~ + 70°C | | 0.2 : ± 0.2PPM | |
| | 36274: 36.2x27.2x16.0(H)mm ,4P | | | 28 : -20 ~ + 85°C | | 0.3 : ± 0.3PPM | |
| | 36275: 36.2x27.2x16.0(H)mm ,5P | | | 3 : -30 ~ + 70°C | | 0.5 : ± 0.5PPM | |
| | 25255: 25.4x25.4x16.0(H)mm ,5P | | | 38 : -30 ~ + 85°C | | | |
| | 20204: 20.3x20.3x10.5(H)mm ,4P | | | I : -40 ~ + 85°C | | | |
| | 20134: 20.3x12.8x10.5(H)mm ,4P | | | A : -40 ~ + 105°C | | | |
| | | | | B : -40 ~ + 125°C | | | |
| | | | | C : -55 ~ + 125°C | | | |
| | | | | X : Custom | | | |