



CLOCK OSCILLATORS

T3000P Programmable Series

Clock Oscillator, Low Profile, SMD



Features:

- ◆ Program For Fast Delivery
- ◆ Pick and place compatible
- ◆ HCMOS Output
- ◆ Tri-state option available

Model: T3000P Series Specifications

| Parameter | Unit | Min. | | Max. | |
|-------------------------------|------|------------|------|------|------|
| | | 3.3 | 5 | 3.3 | 5 |
| Frequency Range | MHz | 1.00 | 1 | 100 | 133 |
| Operating Temperature Range | °C | -20 to 70 | | | |
| Frequency Stability (1) | ppm | ±50 | | | |
| Supply Voltage Variation (5%) | V | 2.625 | 4.75 | 3.65 | 5.25 |
| Supply Current | mA | - | 25 | - | 45 |
| Waveform | | CMOS | | | |
| Load | pF | 15 | | | |
| Output Voltage | | | | | |
| Logic Low | V | 90% | 90% | - | - |
| Logic High | V | - | - | 10% | 10% |
| Duty Cycle | | 40% to 50% | | | |
| Transition Times (Rise/Fall) | nSec | - | - | 5 | 5 |
| Aging per year | ppm | - | - | ±3 | ±3 |
| Storage Temperature | °C | -55 to 125 | | | |
| Tri-State | | Pin 1 | | | |
| Enable | V | 0.7 | 0.7 | - | - |
| Disable | V | - | - | 0.3 | 0.3 |
| Start Up Time | mSec | - | - | 5 | 5 |

(1) Inclusive of calibration at 25°C, operating temperature range, input voltage variation, load variation, aging, shock and vibration.

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