



T3000SS

CLOCK OSCILLATORS

T3000SS Series XO

Spread Spectrum, SMD



Features:

◆ Ceramic SMD

◆ Low EMI Output

Applications: Routers, Embedded Systems, and Held-held devices.

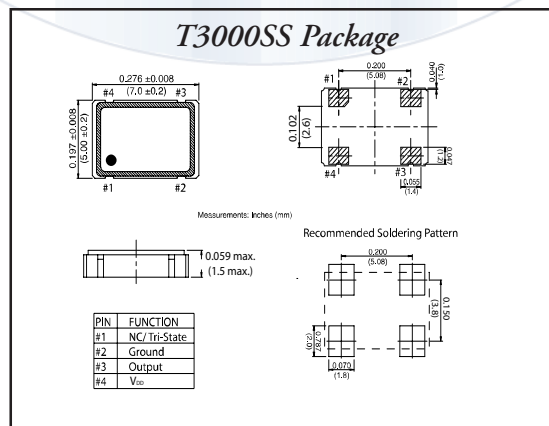
Model: T3000SS Series Specifications

| Parameter | Unit | Min. | Max. |
|-------------------------------|------|------------------------------|------|
| Frequency Range (1) | MHz | 1.00 | 200 |
| Operating Temperature Range | °C | -40 | 85 |
| Frequency Stability | ppm | ±50 | ±100 |
| Supply Voltage Variation (5%) | V | 2.5, 3.3 ±5% | |
| Supply Current | mA | - | 30 |
| Waveform | | CMOS | |
| Load | pF | 15 | |
| Spread Spectrun | | | |
| Center Spread | | ±0.125% to ±2.0% 0.125% step | |
| Down Spread | | -0.250% to -4.0% 0.250% | |
| Output Voltage | | | |
| Logic Low | V | 90% | - |
| Logic High | V | - | 10% |
| Duty Cycle | | 50% ±10 | |
| Transition Times (Rise/Fall) | nSec | - | 5 |
| Aging per year | ppm | - | ±5 |
| Tri-State | | Pin 1 | |
| Enable | V | 0.7 | - |
| Disable | V | - | 0.3 |
| Jitter: pk-pk | ps | - | 100 |

(1) Frequencies up to 166.00MHz at 2.5 Volts; Frequencies up to 200.00MHz at 3.3 Volts.

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