

T3000SS

RoHS Complaint Standard

# CLOCK OSCILLATORS

## T3000SS Series XO

### Spread Spectrum, SMD

#### Features:

◆ CMOS

◆ Ceramic SMD

◆ Low EMI Output

Applications: Cellular, Networking, Wireless, Remote Meter Reading

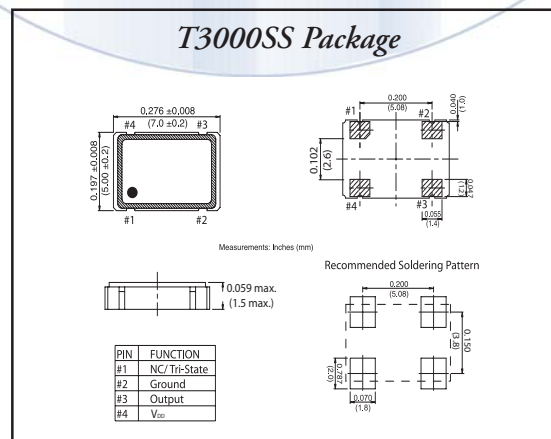
#### Model: T3000SS Series Specification

| Parameters                     | T3000SS                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------|
| Frequency Range <sup>(1)</sup> | 1.00 to 200.00 MHz                                                                       |
| Operating Temperature Range    | -20 to 70; -40 to 85°C                                                                   |
| Frequency Stability            | ±50 to ±100 ppm                                                                          |
| Supply Voltage                 | +2.5 V or +3.3 V ±5%                                                                     |
| Current Consumption            | 30 mA max.                                                                               |
| Spread Spectrum                |                                                                                          |
| Center Spread                  | ±0.125% to ±2.0% 0.125% step                                                             |
| Down Spread                    | -0.250% to -4.0% 0.250%                                                                  |
| Output                         | CMOS                                                                                     |
| Output Voltage                 | V <sub>OL</sub> : 10% V <sub>DD</sub> max. // V <sub>OH</sub> : 90% V <sub>DD</sub> min. |
| Output Load                    | 15 pF                                                                                    |
| Rise and Fall Time             | 5 ns max.                                                                                |
| Duty Cycle                     | 40% to 60% at 1/2 V <sub>DD</sub>                                                        |
| Tri-State Function             | #1 NC or "H": Output Enable // "L": Output Disable                                       |
| Cycle to Cycle Jitter          | 100 ps max.                                                                              |

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

CLOCK OSCILLATOR: T3000HS High Stability Series

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