



T3000TL

RoHS Complaint Standard

CLOCK OSCILLATORS

T3000TL Series LVDS XO

Miniature Ultra Low Profile, SMD

Features:

- ◆ Low Voltage
- ◆ High Frequencies
- ◆ Ceramic SMD package
- ◆ Tape and Reel Available

Model: T3000TL Series Specifications

Parameter	T3000TL
Frequency Range	1.50 to 800.00MHz
Operating Temperature	See Table
Frequency Stability ⁽¹⁾	See Table
Supply Voltage	2.5 - 3.3 V
Start Up Time	3mSec max.
Linearity	20%
Supply Current	65mA 80mA
	(38.88 to 159.99MHz) (160.00 to 700MHz)
Load	50 Ω
Duty Cycle	40 / 50% (45 / 55% optional)
Rise and Fall Time	1.0 nsec max.
Tri-state	Output Active Output High
	2.5V 0.5V
Start-up Time	10 mSec max.
RMS Jitter (Integrated 12kHz-20MHz)	4 pSec max.

(1) Inclusive of calibration @ 25°C, operating temperature, Input voltage change, load change, shock, and vibration. Tighter stabilities available- contact Factory.

Standard Frequencies

38.88, 62.50, 77.76, 100.00,

106.25, 125.00, 155.25, 156.25,

159.375, 161.1328, 164.355469,

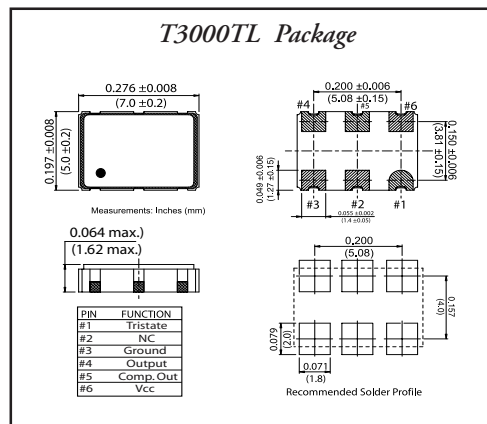
167.3316, 175.00, 187.50, 200.00,

210.50, 240.00, 250.00, 312.50

320.00, 350.00, 622.08, 625.00

Temperature	Stability (ppm)
0 to 55°C	±25, ±50, ±100
-10 to 60°C	±25, ±50, ±100
-20 to 70°C	±25, ±50, ±100
-40 to 85°C	±50, ±100

T3000TL Package



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CLOCK OSCILLATOR: T3000TL Surface Mount LVDS

CLOCK OSCILLATOR: T3000TL Surface Mount LCDS