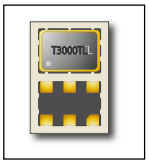
TELLURIAN TECHNOLOGIES, INC.

T3000TL
Crystal Oscillator



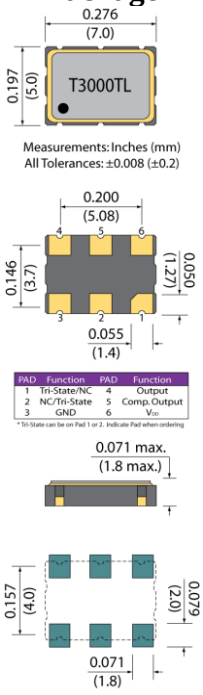
FEATURES:
LVDS
Ceramic Package

Non-Multiplied
7.0 x 5.0 x 1.8 mm

Parameter	Unit	Min.	Max.
Frequency Range	MHz	9.500	250.000
Frequency Stability	ppm	See Table	
Storage Temperature Range	°C	-55	+125
Voltage	V	2.5, 3.3 ±5%	
Current Consumption	mA	45 typ.; 66 max. (3.3 V)	
Output Waveform		LVDS	
Output Load		100 Ω Differential Load	
Output Voltage Logic High (V_{OH})	V	1.143 typ.; 1.6 max.	
Output Voltage Logic Low (V_{OL})	V	1.1 typ.; 0.9 max.	
Output Differential Voltage	mV	1.125-1.375, 1.2 typ.	
Transition Time (Rise and Fall 20-80% waveform)	pSec	300 typ.; 700 max.	
Duty Cycle		50 ±5%	
Tri-state			
Enable Output	V	≥ 0.7	
Disable Output	V	≤ 0.3	
Aging (at 25°C) per year	ppm	-	±3
Start-up Time	mSec	-	10
Phase Noise		-	1

Frequency Stability is inclusive of Operating Temperature Range, Supply Voltage, Current and Load.

T3000TL Package



Frequency Stability

Temperature	Stability (ppm)
-10 to +60°C	±25, ±30, ±50
-20 to +70°C	±25, ±30, ±50
-40 to +85°C	±25, ±30, ±50

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Environmental

Terminal Material	W
Terminal Plating	Ni-Au
REACH Compliant	Yes
RoHS Compliant	Yes
RoHS Exemptions	No
Re-flow Temp. Max.	260°C
MSL	1

Example Part Number: T3000TL-18-A-27-24M576

T3000TL - [1] - [2] - [3] - [4]

1 Voltage	2 Stability	3 Temp. Range	4 Frequency
33= 3.3 V	A= ±50	16= -10 to 60°C	Frequency in MHz
28= 2.8V	B= ±30	27= -20 to 70°C	i.e. 24M576
18= 1.8V	C= ±25	48= -40 to 85°C	use M for decimal point

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