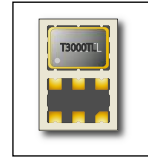


T3000TL

Crystal Oscillator

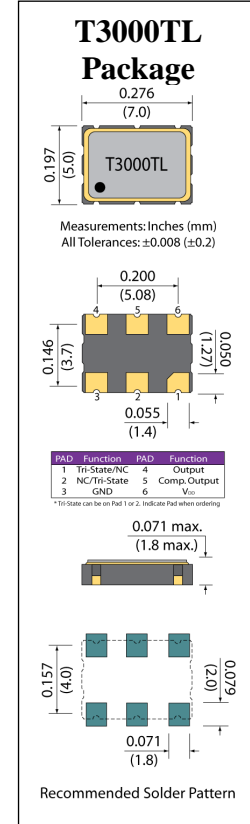


FEATURES:
LVDS
Ceramic Package

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.



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



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