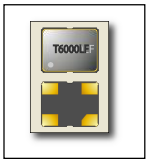
TELLURIAN TECHNOLOGIES, INC.

T6000LF
Crystal Oscillator



FEATURES:

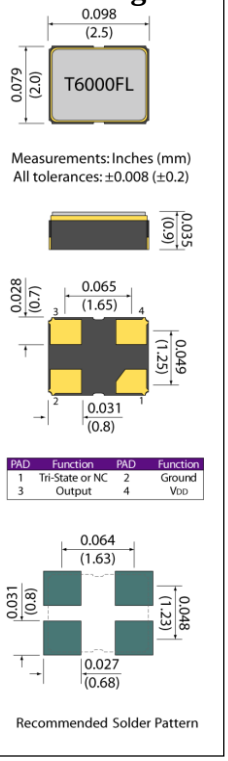
Extended Temperature Range — **32.768 kHz**

Ceramic Package — **2.5 x 2.0 x 0.9mm**

Parameter	Unit	Min.	Max.
Frequency Range	kHz	32.768	
Frequency Stability	ppm	See Table	
Aging (1st Year)	ppm	-	±3
Storage Temperature Range	°C	-55	+125
Voltage	V	1.8, 2.5, 3.3 ±10%	
Current Consumption	µA	-	65
Output Waveform		CMOS	
Output Load	pF	-	15
Output Voltage Logic High (V_{OH})	V	90% of V_{DD}	-
Output Voltage Logic Low (V_{OL})	V	-	10% of V_{DD}
Transition Time (Rise and Fall)	nSec	-	50
Duty Cycle		40/60% standard	
Tri-state Enable		No Connection Pin 1	
Enable	V	0.7 of V_{DD}	-
Disable	V	-	0.3 of V_{DD}
Start-up Time	mSec	-	2

Frequency Stability is inclusive of calibration at 25°C, operating temperature range, input voltage variation, load variation, shock, vibration, and aging.

T6000LF Package



Frequency Stability

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

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Example Part Number: T6000LF-18-A-48-32K768

T6000LF - [1] - [2] - [3] - [4]

1	2	3	4
Voltage	**Stability**	**Temp. Range**	**Frequency**
18= 1.8V	A= ±25	48= -40 to 85°C	Frequency in MHz i.e. 24M576 use M for decimal point

Note: Consult factory for additional potential options not listed.

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