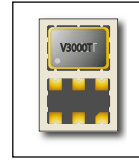


# V3000T



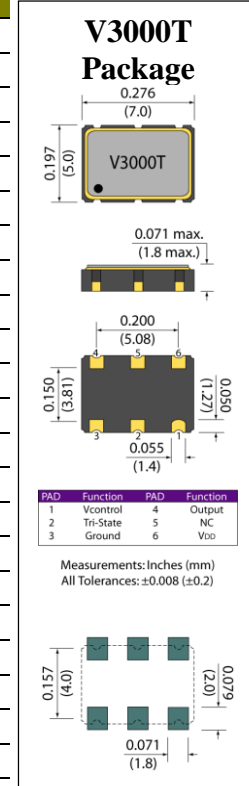
## Voltage Controlled Crystal Oscillator

### FEATURES:

**High Frequency  
Ceramic Package**

**Tight Stability  
7.0 x 5.0 x 1.8 mm**

Parameter	Unit	Min.	Max.
Frequency Range	MHz	1	300
Frequency Stability	ppm	See Table	
Storage Temperature Range	°C	-55	+125
Voltage	V	2.5, 3.3, 5.0 ±5%	
Current Consumption	mA	See Table	
Output Waveform		CMOS	
Output Load	pF	-	15
Output Voltage Logic High (VOH)	V	90%	-
Output Voltage Logic Low (VOL)	V	-	10%
Transition Time (Rise and Fall)			
	1.00 to 20.00 MHz	nSec	10
	>20.00 To 40.00 MHz	nSec	8
	>40.00 to 79.00 MHz	nSec	5
	>79.00 to 300.00 MHz	nSec	10
Duty Cycle		45/55% standard	
Tri-state			
	Enable	V	0.7
	Disable	V	0.3
Frequency Deviation	ppm	±100	-
Control Voltage	V	See note	
Start-up Time	mSec	-	5
Period Jitter: pk-pk	pSec	-	100
Period Jitter: One Sigma	pSec	-	25



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

Control Voltage: 1.25 ±1.05V for 2.5V; 1.65±1.35V for 3.3V; 2.5 ±2.0V for 5.0V.

### Frequency Stability

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

### Current Consumption

Frequency Range	Unit	5.0V	3.3V	2.5 V
1.00 to 20.00 MHz	mA	10	10	10
>20.00 to 40.00 MHz	mA	20	15	15
>40.00 to 79.00 MHz	mA	40	25	25
>79.00 to 300.00 MHz	mA	10	10	10

Maximum specified limit

### 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: V3000T-18-A-27-24M576

V3000T	1	2	3	4
	<b>Voltage</b>	<b>Stability</b>	<b>Temp. Range</b>	<b>Frequency</b>
	50= 5.0 V	A= ±50	16= -10 to 60°C	Frequency in MHz
	33= 3.3 V	B= ±30	27= -20 to 70°C	i.e. 24M576
	25= 2.5 V	C= ±25	48= -40 to 85°C	use M for decimal point
		D= ±20		