



# VCXOs

## V3000/V3000T Series VCXO

### Miniature Ultra Low Profile, SMD



#### Features:

- ◆ Miniature Ultra Low Profile
- ◆ RoHS Compliant Standard
- ◆ LCC, Ceramic SMD package
- ◆ Tape and Reel Available

#### Model: V3000/V3000T Series Specifications

Parameter	Unit	Min		Max	
Supply Voltage	VDC	5.0V	3.3V	5.0V	3.3V
Center Frequency	MHz	1.50	1.50	50.00	200.00
Operating Temperature Range	°C	See Table			
Frequency Stability	ppm	See Table			
Pullability	ppm	-	-	±100	
Control Voltage	V	0.5	0.3	4.5	3
Supply Current					
1.5 MHz to 20 MHz	mA	-	-	16	10
20 MHz to 50 MHz	mA	-	-	30	20
60 MHz to 80 MHz	mA	-	-	35	30
80 MHz to 160 MHz	mA	-	-	-	40
160 MHz to 200 MHz	mA	-	-	-	60
Load		15 p or 50pF CMOS			
Output Levels					
Output High (CMOS)	V	90%		-	-
Output Low (CMOS)	V	-	-	10%	
Transition Times					
1.5 MHz to 20 MHz	nSec	-	-	8	10
20 MHz to 50 MHz	nSec	-	-	5	6
50 MHz to 80 MHz	nSec	-	-	5	5
80 MHz to 200 MHz	nSec	-	-	-	5
Output Logic	%	50 ±10% standard; 50 ±5% optional			
Aging	ppm	±5.0ppm / per year			
Startup Time	mSec	-	-	10	
Linearity	%	-	-	10	
Storage Temperature	°C	-55 to +125			
Tri-State (V3000T)					
Output Active	V	4	2	-	-
Output in High Impedance State	V	-	-	0.8	0.5
Period Jitter: Absolute	pSec	-	-	40	40
Input Impedance					
1.5 MHz to 100 MHz	kOhms	2000		-	-
100 MHz to 200 MHz	kOhms	50		-	-
Modulation Bandwidth					
1.5 MHz to 55 MHz	kHz	20		-	-
55 MHz to 80 MHz	kHz	30		-	-
80 MHz to 200 MHz	kHz	45		-	-
Standby Current	uA			10	

VCXO: V3000/V3000T Surface Mount VCXO

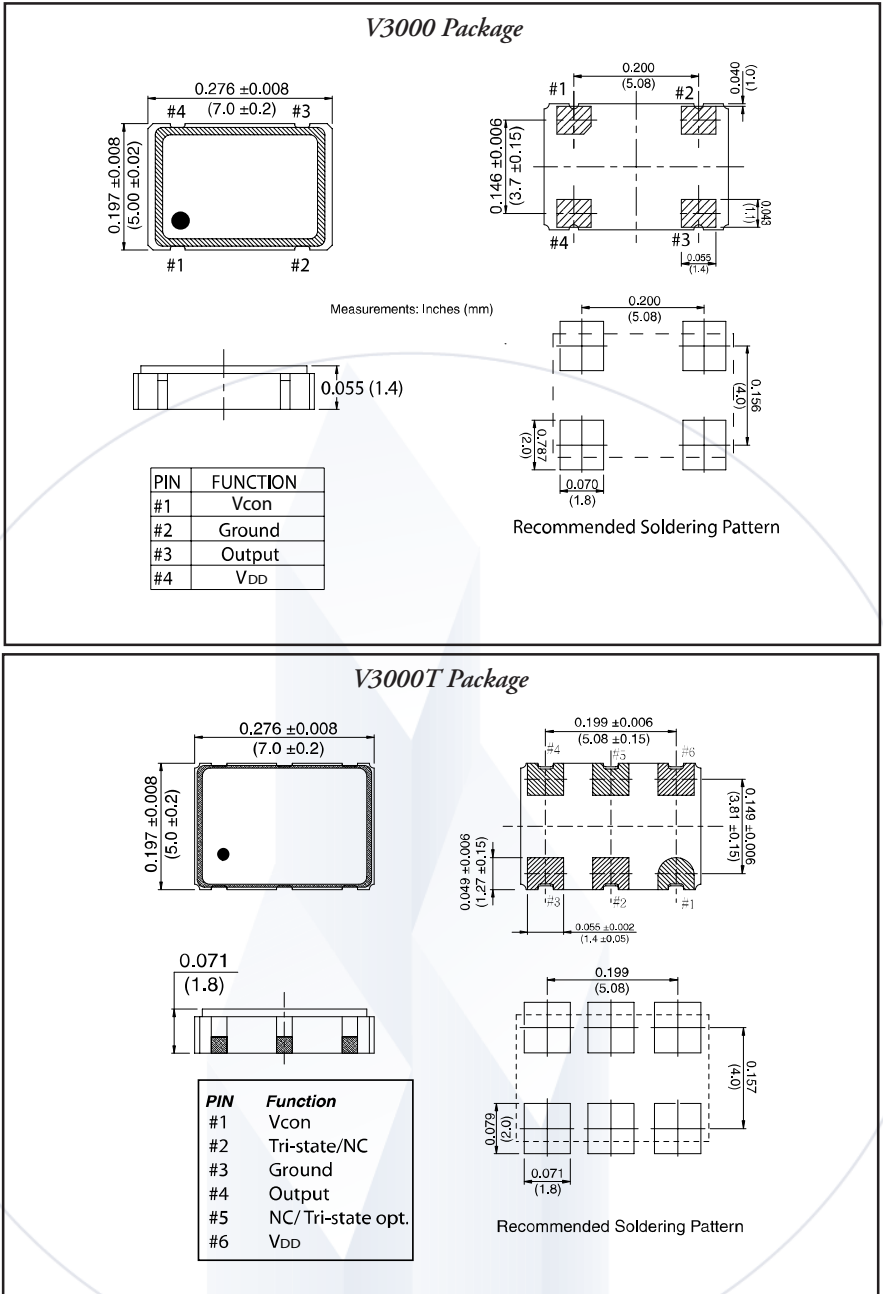
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See Next Page for Drawing

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