



V5000

# VCXOs

## V5000 Series VCXO

### Ultra-Miniature, SMD, Ceramic



#### Features:

- ◆ Miniature Ultra Low Profile
- ◆ Smallest VCXO
- ◆ Ceramic SMD package
- ◆ Tape and Reel Available

#### Model: V5000 Series Specifications

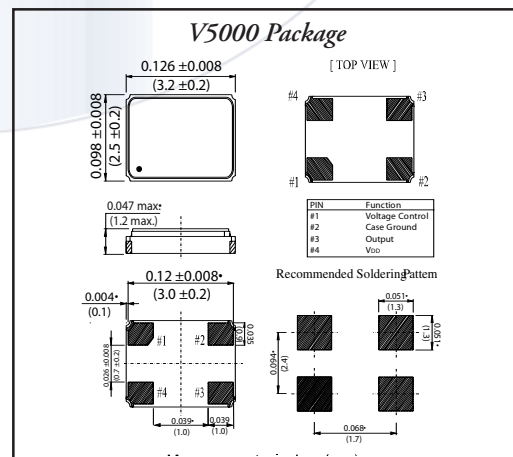
Parameter	Unit	V5000
Frequency Range	MHz	1.50 to 54.00 MHz
Operating Temperature Range	°C	See Table
Frequency Stability	ppm	See Table
Supply Voltage	VDC	1.8, 2.5, 3.3
Supply Current	mA	See Table
WaveForm		CMOS
Load	pF	15
Output Levels	V	10% max. // 90% min.
Transition Times (Rise/Fall)	nSec	6 max.
Duty Cycle	%	45/55%
Frequency Deviation (Pin 1)	ppm	See Table
Aging (per year)	ppm	±3.0 max.
Storage Temperature	°C	-55 to 125
Tri-State		Pin 1
Enable	V	0.7 min.
Disable	V	0.3 max.
Phase Noise (@ 1 kHz)	dBc/Hz	-130 typ.
Start Up Time	mSec	10 max.

VCXO: V5000 Surface Mount VCXO

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Voltage	Deviation	Supply Current
1.8 V ±0.9V	±80 ppm min.	3.0 mA max.
2.8 V ±1.4V	±90 ppm min.	5.0 mA max.
3.3 V ±1.65V	±100 ppm min.	5.0 mA max.

Temperature	Stability (ppm)
-20 to 70°C	±30, ±50, ±100
-40 to 85°C	±50, ±100



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