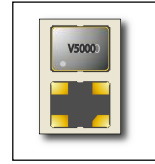


V5000

Voltage Controlled Crystal Oscillator



FEATURES:

**Tri-state Enable
Ceramic Package**

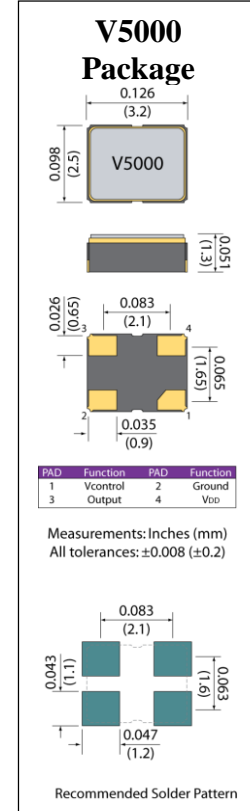
**CMOS
3.2 x 2.5 x 1.3 mm**

Parameter	Unit	Min.	Max.
Frequency Range	MHz	1.25	55
Frequency Stability	ppm	See Table	
Storage Temperature Range	°C	-55	+125
Voltage	V	1.8, 2.5, 3.3 ±5%	
Current Consumption	mA	-	10
Output Waveform		CMOS	
Slope		Positive	
Output Load	pF	-	15
Output Voltage Logic High (VOH)	V	90%	-
Output Voltage Logic Low (VOL)	V	-	10%
Transition Time (Rise and Fall)	nSec	-	10
Duty Cycle		45/55% standard	
Frequency Deviation	ppm	±100 std min; ±150 min. opt	
Start-up Time	mSec	-	5
Period Jitter: (12 kHz-20 MHz)	pSec	-	100
Period Jitter: pk-pk	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.

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



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: V5000-18-A-27-24M576

V5000	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>
		1		2		3		4
		Voltage		Stability		Temp. Range		Frequency
		33= 3.3V		A= ±50		16= -10 to 60°C		Frequency in MHz
		25= 2.5 V		B= ±30		27= -20 to 70°C		i.e. 24M576
				C= ±25		48= -40 to 85°C		use M for decimal point
				D= ±20				