

# SMD2500 Series

## Surface Mount Voltage Controlled Crystal Oscillator (VCXO)

- HCMOS Output
- 5.0V Supply Voltage
- Ceramic 6-pad SMD package
- Pad#2Tristate; Pad #5 No Connect

ELECTRICAL SPECIFICATIONS	
Frequency Range	1.000MHz to 52.000MHz
Frequency Stability	±25ppm                      ±50ppm                      ±100ppm
Operating Temperature Range	0 ~ +70°C or -40°C to +85°C
Storage Temperature Range	-55 ~ +125°C
Input Voltage	+5.0 <sub>DC</sub> ±10%
Input Current	1.000MHz to 18.000MHz      15mA Max >18.000MHz to 30.000MHz    15mA Max >30.000MHz to 36.000MHz    25mA Max >36.000MHz to 45.000MHz    25mA Max >40.000MHz to 52.000MHz    40mA Max
Symmetry (Duty Cycle)	50±10% , 50±5%
Rise Time / Fall Time	5nSeconds Max
Voltage Control Pin 1	2.5V ±2.0V
Frequency Pullability	±50ppm Min, ±80ppm Min, ±100ppm Min
Output Load Capability	15pF CMOS
Linearity	±10% Typical, ±20% Max

## PART NUMBERING GUIDE

**SMD2500 .3 C – 35.328MHz**

Input Voltage

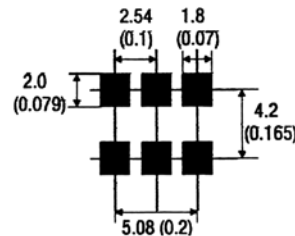
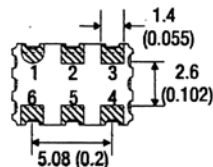
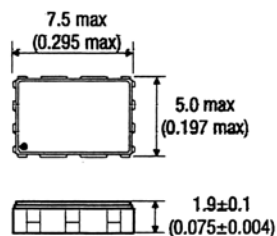
Blank - 5V  
.3 - 3.3V  
.2 - 2.5V

Frequency

Frequency Tolerance/ Stability

Blank or A - ±100ppm  
C - ± 25ppm  
X - Customer Specified

## PACKAGE DIMENSIONS



Pad Connections:  
1. Voltage Control  
2. Enable/Disable  
3. Ground  
4. Output  
5. N/C  
6. +Vs

Dimensions in mm (In)

## General Electronic Devices

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