

SMD2500.3 Series

Surface Mount Voltage Controlled Crystal Oscillator (VCXO)

- HCMOS Output
- 3.3V 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	+3.3V _{DC} ±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	1.65V ±1.5V
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

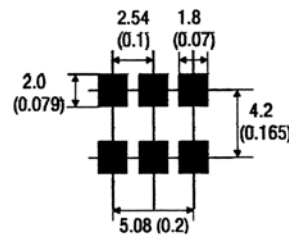
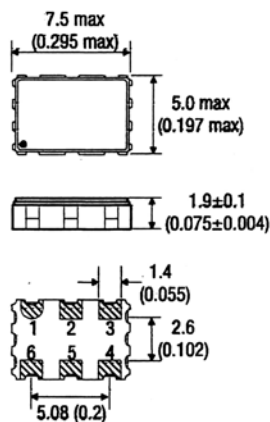
Blank - 5V
.3 - 3.3V
.2 - 2.5V

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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