

# SMD914V Series

## Surface Mount Voltage Controlled Oscillator

- Sine-Wave Output
- 5.0V Supply Voltage
- 9x14mm Ceramic SMD package
- $\pm 12\%$  Frequency Adjustment Range
- Quick Turn-around for Custom Frequencies

### ELECTRICAL SPECIFICATIONS

Frequency Range	50 to 180MHz
Supply Voltage	+5.0V <sub>DC</sub> $\pm 10\%$
Supply Current	18mA
Operating Temperature	-40°C to 85°C
Input Range	5.0V Max
Input Impedance	100Kohm Min
V <sub>C</sub> Sensitivity	2.5% per 1.0Volt V <sub>C</sub> Change
Output Level	V <sub>p-p</sub> 4.0V V <sub>rms</sub> 1.4V
Load	50 ohm
Frequency vs. Supply	1.0% Typ 2.0% Max per 1.0Volt V <sub>CC</sub> Change
Frequency Control Voltage	0.5V <sub>DC</sub> to 4.5V <sub>DC</sub> , 0V to 5.0V <sub>DC</sub>

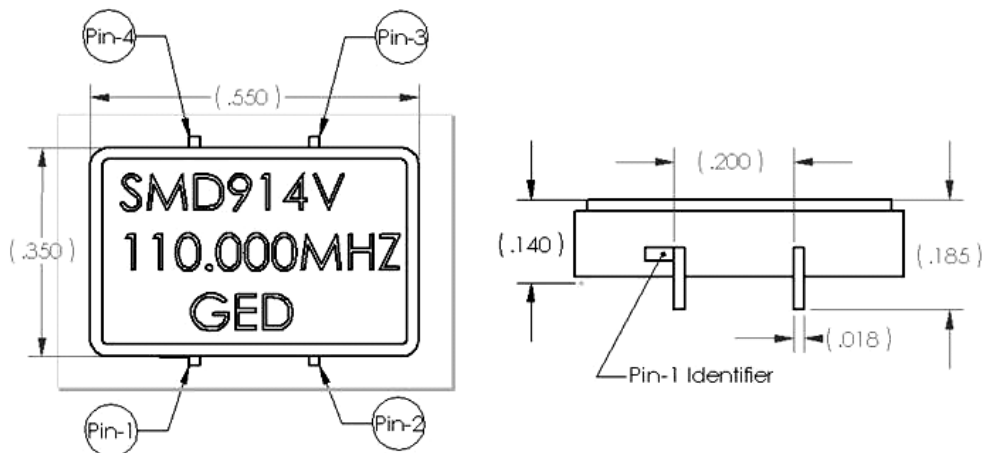
### PART NUMBERING GUIDE

**SMD914V – 110.000MHz**

VCO Series

Frequency

### PACKAGE DIMENSIONS



Pin 1 : Electronic Frequency Control  
 Pin 4 : Case Ground  
 Pin 8 : Output

## General Electronic Devices

320 So. Pacific St. San Marcos, CA 92069 Tel: (760) 591-4170 Fax: (760) 591-4164 Email: gedlm@4dcomm.com Website: www.gedlm.com