

# SMD100 Series

## Surface Mount HCMOS/TTL Compatible Oscillators

- HCMOS/TTL Output
- 5.0V Supply Voltage
- Ceramic SMD package
- Available on Tape and Reel

ELECTRICAL SPECIFICATIONS		
Frequency Range	1.0 to 133.000MHz	
Frequency Stability	±20ppm    ±25ppm    ±50ppm    ±100ppm	
Operating Temperature Range	0°C to +70°C    or    -40°C to 85°C	
Storage Temperature Range	-55 ~ +125°C	
Input Voltage	+5.0V <sub>DC</sub> ±10%	
Input Current	1.000MHz to 32.000MHz    20mA Max 33.000MHz to 49.000MHz    45mA Max 50.000MHz to 69.000MHz    50mA Max 70.000MHz to 133.000MHz    100mA Max	
Symmetry	50±10% Standard, 50±5% Available	
Rise / Fall Time	TTL	5nSeconds Typical, 10nSeconds Max
	CMOS	5nSeconds Typical, 10nSeconds Max
Output Level	TTL	V <sub>OL</sub> : 0.4V Max    V <sub>OH</sub> : +2.4V Min
	CMOS	V <sub>OL</sub> : 0.5V Max    V <sub>OH</sub> : V <sub>DD</sub> - 0.5V Min
Output Load	CMOS, compatible, 1~10TTL Gates	
Pin 1 Option	No connection    Enable/Disable (Tristate)	

## PART NUMBERING GUIDE

### SMD100 .3 C (E/D) - 40.000MHz

#### Input Voltage

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

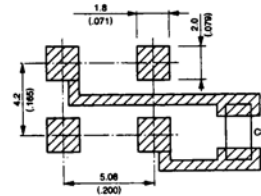
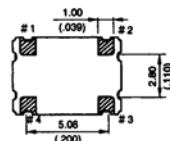
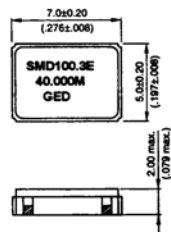
#### Frequency Tolerance/Stability

Blank or A - ±100ppm  
B - ± 50ppm  
C - ± 25ppm  
X - Customer Specified

#### Frequency

Pin 1 option  
Blank - no connection  
(E/D) - Enable/Disable (Tristate)

## PACKAGE DIMENSIONS



Dimensions in mm (in)

Dimensions in mm (in)

Pin 1 : No connect or EN/DIS (Tristate)	Pin 3: Output
Pin 2: Ground	Pin 4: Vdd

## 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