

SMD100.3 Series

Surface Mount HCMOS/TTL Compatible Oscillators

- HCMOS/TTL Output
- 3.3V 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	+3.3V _{DC} ±10%	
Input Current	1.000MHz to 32.000MHz 12mA Max 33.000MHz to 49.000MHz 25mA Max 50.000MHz to 69.000MHz 35mA Max 70.000MHz to 133.000MHz 60mA Max	
Symmetry	50±10% Standard, 50±5% Available	
Rise / Fall Time	TTL	5nSeconds Typical, 10nSeconds Max
	CMOS	5nSeconds Typical, 10nSeconds Max
Output Level	V _{OH} : with HCMOS or TTL Load 90% of V _{DD} Min I _{OH} =-8mA V _{OL} : with HCMOS or TTL Load 10% of V _{DD} Max I _{OL} =+8mA	
Output Load	10TTL or 15pF HCMOS	
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

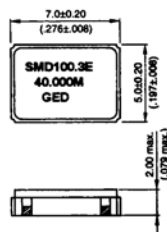
Blank or A - ±100ppm
B - ± 50ppm
C - ± 25ppm
X - Customer Specified

Frequency

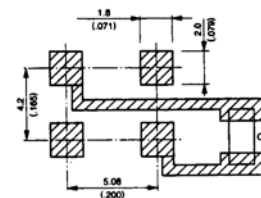
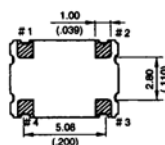
Pin 1 option

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

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