

SMD914E Series

Surface Mount ECL/PECL Crystal Clock Oscillator

- ECL or PECL Output
- Ceramic 9x14 SMD Package
- Available in both 5V and 3.3V operation
- Complimentary Outputs
- Space Saving and Cost Effective Package
- J-Lead Termination
- Optional Internal Terminations
- User Specified Frequency Stability

ELECTRICAL SPECIFICATIONS

Frequency Range	6MHz ~ 180MHz		
Frequency Stability	±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	-5.2V _{DC} ±5%	+5.2V _{DC} ±5%	3.3V _{DC} ±0.3V
Input Current	60mA Max 40mA Typical		
Symmetry	50±10% -1.3V _{DC} Level		50±10%+3.9V _{DC} Level
Rise Time / Fall Time	3nSeconds Max 20 to 80% V _{EE}		
Output Load	50 ohms to -2V (output must be loaded)		

PART NUMBERING GUIDE

SMD914E E .3 C - 80.000MHz

Pin Configuration
as per Table 1

Tolerance/Stability Input Voltage

- ±100ppm
Blank - 5V
.3 - 3.3V

Frequency

Frequency

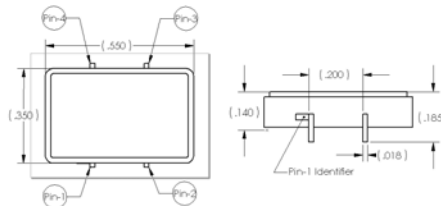
Blank or A

B - ±50ppm
C - ± 25ppm
D - Customer Specified

Table 1. PIN CONFIGURATIONS

PIN	A	B	E	F
1	NC	NC	ECL Comp. Out	ECL Comp. Out
2	V _{EE} Case Gnd	V _{CC} Case Gnd	V _{EE} Case Gnd	V _{CC} Case Gnd
3	ECL Output	ECL Output	ECL Output	ECL Output
4	V _{CC}	V _{EE}	V _{CC}	V _{CC}

PACKAGE DIMENSIONS



General Electronic Devices

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