

SMD914C Series

Surface Mount CMOS/TTL Compatible Crystal Clock Oscillator for 3.3V or 5V Systems

- HCMOS/TTL Output
- 3.3 and 5.0V Supply Voltage
- 9x14mm Ceramic SMD package

| ELECTRICAL SPECIFICATIONS | | |
|-----------------------------|--|--|
| | SMD914C | SMD914C.3 |
| Frequency Range | 30kHz – 250MHz | |
| Frequency Stability | ±25ppm | ±50ppm ±100ppm |
| Operating Temperature Range | 0 ~ +70°C | |
| Storage Temperature Range | -55 ~ +125°C | |
| Input Voltage | +5.0V _{DC} ±10% | 3.3V _{DC} ±0.3V _{DC} |
| Input Current | 25mA Max | |
| Symmetry | 40/60 ~ 60/40% or 45/55 ~ 55/45% (at 1.4V or ½ V _{DD}) | |
| Rise / Fall Time | .5V to 2.5V 10 to 90% | 3.3nS 6.0nS |
| Logic "1" Level | V _{OH} : 0.9V _{CC} Min | |
| Logic "0" Level | V _{OL} : 1V _{CC} Max | |
| Output Load | 10TTL gates or 15pF | |
| Start up Time | 10mSeconds Max | |
| Phase Jitter (one sigma) | 1pS | |
| Enable Time | 100nS | |

PART NUMBERING GUIDE

SMD914C .3 C _ - 80.000MHz

Input Voltage

Blank - 5V
.3 - 3.3V

Frequency Tolerance/Stability

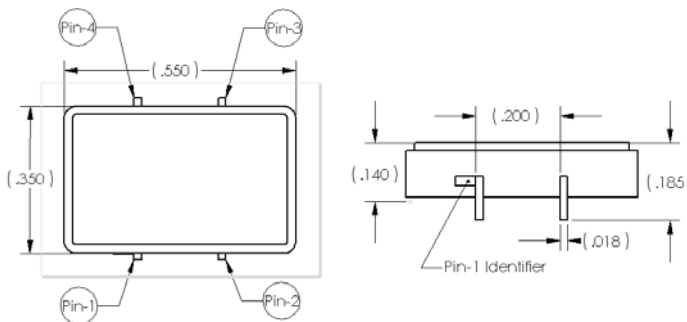
Blank or A - ±100ppm
B - ± 50ppm
C - ± 25ppm
X - Customer Specified

Frequency

Pin 1 Connection

Blank - no connection
(E/D) - Enable/Disable
function or Tristate

PACKAGE DIMENSIONS



Pin 1: No connect or Tristate
Pin 2: Case Ground
Pin 3: Output
Pin 4: Supply Voltage

General Electronic Devices

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