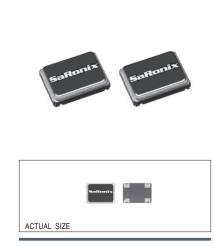
SaRonix

Crystal Clock Oscillator 2.5V, LVCMOS, Tri-State, SMD

S1614 Series

Technical Data



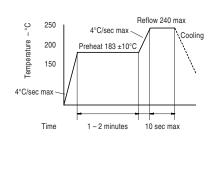
Description

The S1614 Series are LVCMOS crystalcontrolled, low-current, 2.5V oscillators providing precise rise and fall times to drive high performance and low power applications. The sub-miniature, leadless ceramic package has gold-plated contact pads, ideal for today's pick-and-place SMT environments.

Applications & Features

- HDTV, MP3, Digital Cameras, GPS Ethernet, DSP, Set-top Boxes, PCMCIA Modem Cards
- 2.5V LVCMOS operation
- Perfect for applications, such as PC, PDA, Notebook, Palmtop Computers and PCMCIA Cards, and anywhere power and space conservation is a key factor.
- Tri-State Standard
- Available on tape & reel; 16mm tape,
- 1000pcs per reel

Solder Reflow Guide



	1.544 MHz to 70 MHz
Frequency Stability:	$\pm 20, \pm 25, \pm 50$ or ± 100 ppm over all conditions; calibration tolerance, operating temperature, input voltage change, load change, aging (1 year @ 25°C average ambient operating temperature), shock and vibration.
Temperature Range:	
Operating: Storage:	-10 to +70°C, -40 to +85°C -55 to +125°C
Supply Voltage:	2.5V ±5%
Supply Current: Output Enabled: Output Disabled:	15mA max 1.544 to 32 MHz 25mA max 32+ to 50 MHz 35mA max 50+ to 70 MHz 10μA max 1.544 to 70 MHz
Output:	
Symmetry: Rise & Fall Times: Logic 0: Logic 1: Load:	45/55 % max @ 50% V _{DD} 10ns max 1.544 to 32 MHz @ 20% to 80% V _{DD} 7ns max 32+ to 70 MHz 10% V _{DD} max 90% V _{DD} min 15pF max
Mechanical: Shock: Solderability: Vibration: Solvent Resistance: Terminal Strength: Resitance to Soldering Heat:	MIL-STD-883, Method 2002, Condition B MIL-STD-883, Method 2003 MIL-STD-883, Method 2007, Condition A MIL-STD-202, Method 215 MIL-STD-883, Method 2004, Condition D MIL-STD-202, Method 210, Condition I or J
Environmental:	
Thermal Shock: Moisture Resistance:	MIL-STD-883, Method 1011, Condition A MIL-STD-883, Method 1004
Part Numbering Guide	
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DS-229 REV A





Crystal Clock Oscillator

2.5V, LVCMOS, Tri-State, SMD

