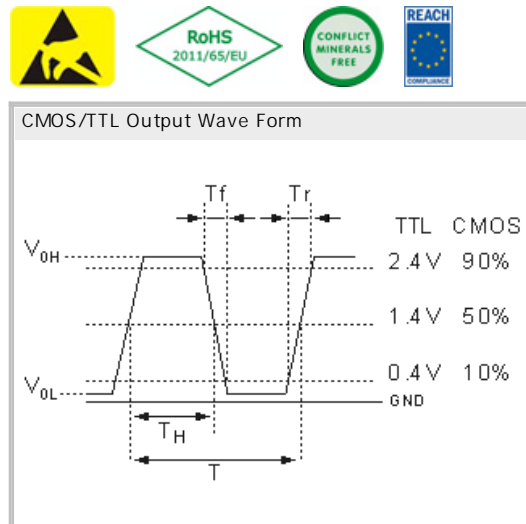
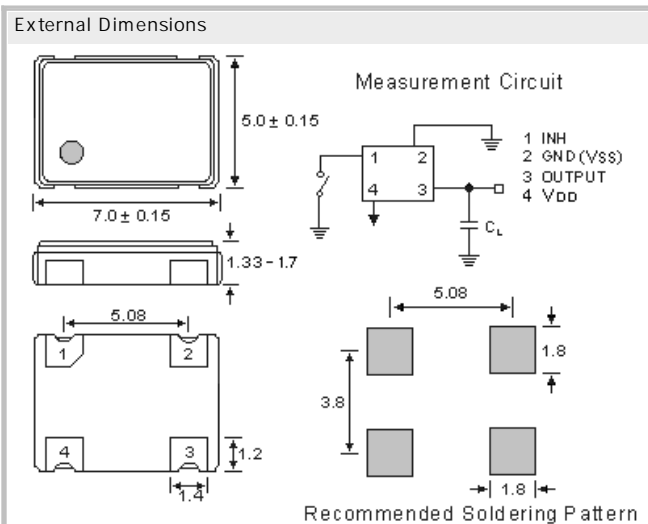


EMI Reducing Spread Spectrum Clock Oscillator CSS7050TR3.3 3.3V

- SMD in ceramic case (7.0 x 5.0 x 1.8) mm
- Tri-State Enable / Disable
- CMOS/TTL Square Wave
- on Tape & Reel (Tape 16mm, 1000pcs per reel)
- RoHS conform; Lead-free product
- Vibration: MIL-STD-202F method 204, 35G, 50 to 2000 Hz
- Shock: MIL-STD-202F method 213B, test cond. E, 1000GG 1/2 sine wave
- Available in many standard and special frequencies



Specifications

| | |
|---|---|
| Holder Type: | CSS7050TR3.3 Tri-State 3.3V (Voltage code is " 3.3 ") |
| Frequency: | 32.768000 MHz |
| Frequency Stability at 25°C: | ± 50.0 ppm |
| Operating Temperature Range: | ± 50.0 ppm, -40°C to +85°C |
| Storage Temperature: | -55°C to +125°C |
| Spread Type/EMI Reduction: | C = ± 1.50% / -15 dBc (min.), 100MHz at C1.5 |
| Power Supply Voltage (Vdd): | + 3.3V D.C. ± 5% |
| Maximum Supply Current: | 10.0 mA typ. |
| Modulation Carrier Freq. (Dither rate): | 6.9 kHz min.; 55.5kHz max. Frequency dependent |
| Output Load: | 15 pF CMOS / 10LS TTL gates max. |
| Output Symmetry (Duty Cycle): | 45/55% CL=15pF; 50% Vdd |
| Output Voltage (VOH) (VOL): | 2.4V min; 3.2V typical 90% of Vdd min. 0.5V max; 0.2V typical 10% of Vdd max. |
| Rise/Fall Time (10% to 90% Vdd): | 4 ns max. |
| Start Up Time: | 2 ms typical; 5 ms max. |
| Cycle-to-Cycle Jitter: | ± 250 ps typical; ± 300 ps max. |
| Tri-state Function Pin 1: | Pin 1 = H or open.... Output active at pin 3 Pin 1 = L.... high impedance at pin 3; Output enable/disable time: 100ns max. |
| Aging: | < ± 5ppm max. / year (max.) |
| Reflow Condition: | 260°C max for 10 sec. |
| See also ...: | http://www.comtec-crystals.com/docs/G/GFG2.htm |

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