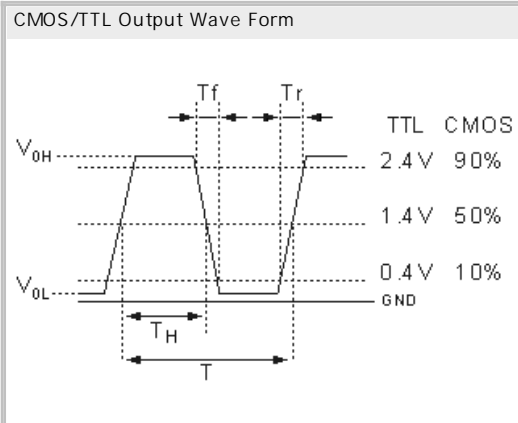
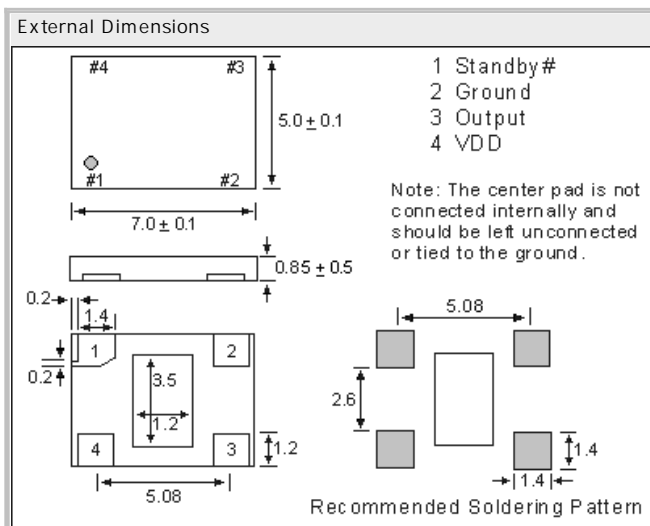




MEMS Oscillator MEP7050T 3.3V/2.8/2.5V/1.8V
Programmable from 1 to 150MHz

- SMD Plastic Packaging (7.0 x 5.0 x 0.85) mm
- Excellent Shock and Vibration Resistance
- CMOS/TTL Square Wave
- on Tape & Reel (Tape 16mm)
- RoHS conform; Lead-free product
- Available in many standard and special frequencies



Specifications

| | |
|----------------------------------|--|
| Holder Type: | MEP7050T 3.3V/2.8/2.5V/1.8V |
| Frequency Range: | 1.0 to 150.000 MHz |
| Frequency Stability at 25°C: | ± 25 ppm |
| Operating Temperature Range: | -40°C to +85°C (Inclusive Operating Temp., Supply Voltage, & Load) |
| Storage Temperature: | -55°C to +150°C |
| Power Supply Voltage (Vdd): | -0.3Vmin. to +4.0Vmax. |
| Maximum Supply Current, no load: | CL=0pF, RL= , T=25°C, V=1.8V 1 to 40MHz (5), 40 to 80MHz (6), 80 to 125MHz (7), 125 to 150MHz (8), 12mA max.) |
| Standby Current: | I _{dd} , T = 25°C, 15µA |
| Output Load: | CL 15pF, R > 10kOhm |
| Output Symmetry (Duty Cycle): | 40/60% (45/55% optional) |
| Output Voltage (VOH) (VOL): | 90% of Vdd min. / 10% of Vdd max. |
| Rise/Fall Time (10% to 90% Vdd): | 10 ns max. < 5 ns typical |
| Start Up Time: | 10 ms max. < 5 ms typical |
| Tri-state Function Pin 1: | Pin 1 = H or open... Output active at pin 3 Pin 1 = L... high impedance at pin 3 |
| Aging: | < ± 5ppm max. / year (max.) |
| Reflow Condition: | 260°C max for 40 sec. |

GERMANY:

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