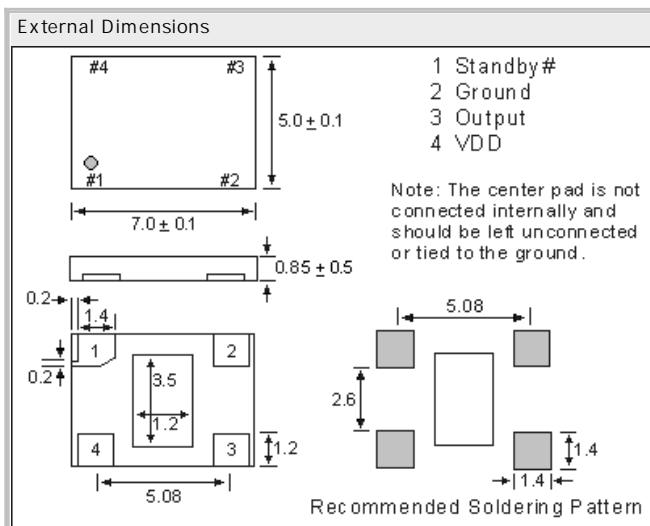
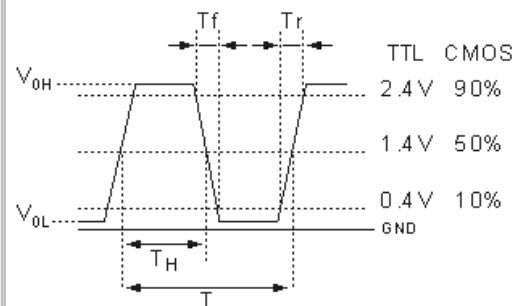


MEMS Oscillator MEP7050T 3.3V/2.8/2.5V/1.8V
Programmable from 1 to 150MHz

- 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



CMOS/TTL Output Wave Form



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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