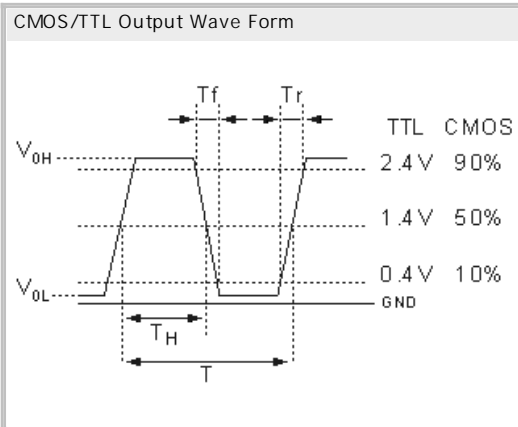
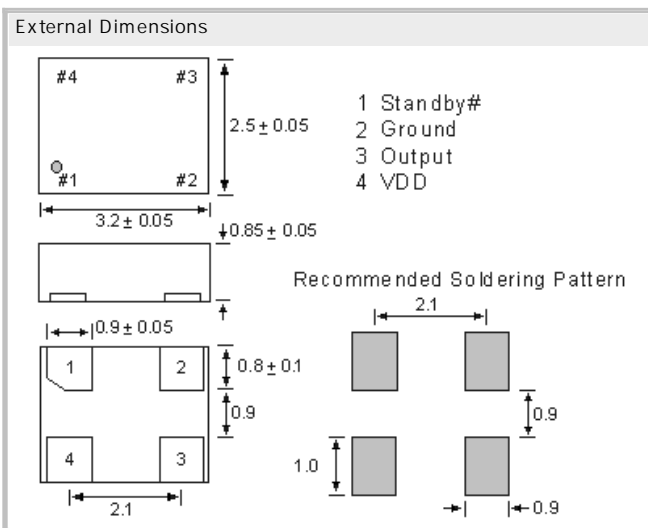




MEMS Oscillator MEP3225T 3.3V/2.8/2.5V/1.8V  
Programmable from 1 to 150MHz

- SMD Plastic Packaging (3.2 x 2.5 x 0.85) mm
- Excellent Shock and Vibration Resistance
- CMOS/TTL Square Wave
- on Tape & Reel (Tape 8mm)
- RoHS conform; Lead-free product
- Available in many standard and special frequencies



## Specifications

|                                  |  |
|----------------------------------|--|
| Holder Type:                     | MEP3225T 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<br>(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<br>1 to 40MHz (5), 40 to 80MHz (6), 80 to 125MHz (7), 125 to 150MHz (8), 12mA max.) |
| Standby Current:                 | I <sub>dd</sub> , 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<br>Pin 1 = L.... high impedance at pin 3                            |
| Aging:                           | < ± 5ppm max. / year (max.)  |
| Reflow Condition:                | 260°C max for 40 sec.  |

### GERMANY:

COMTEC CRYSTALS GmbH · Sultenstrasse 12-14  
8 5 5 8 6 P o i n g / G E R M A N Y  
Phone +49 8121 778160 · Fax +49 8121 778177  
e-Mail [info@comtec-crystals.com](mailto:info@comtec-crystals.com)  
Internet: <http://www.comtec-crystals.com>  
Subject to change without prior notice.



Technical Data and Graphics are all under  
Copyright (c) of Comtec Crystals Group.

### FRANCE:

COMTEC CRYSTALS SARL · 23, rue du Faucon  
6 7 5 0 0 H a g u e n a u / F R A N C E  
Phone +33 388 732162 · Fax +33 388 730118  
e-Mail [sales@comtec-crystals.com](mailto:sales@comtec-crystals.com)  
Internet: <http://www.comtec-crystals.com>  
Sous réserve de modifications.