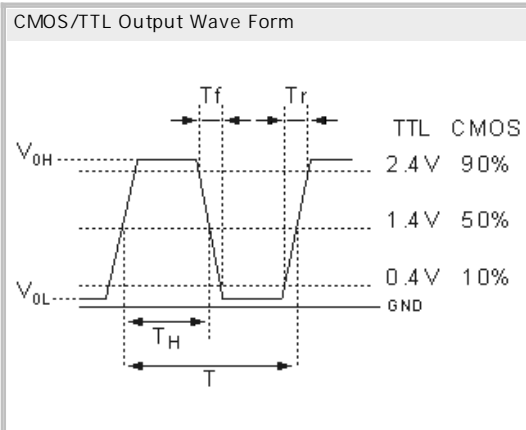
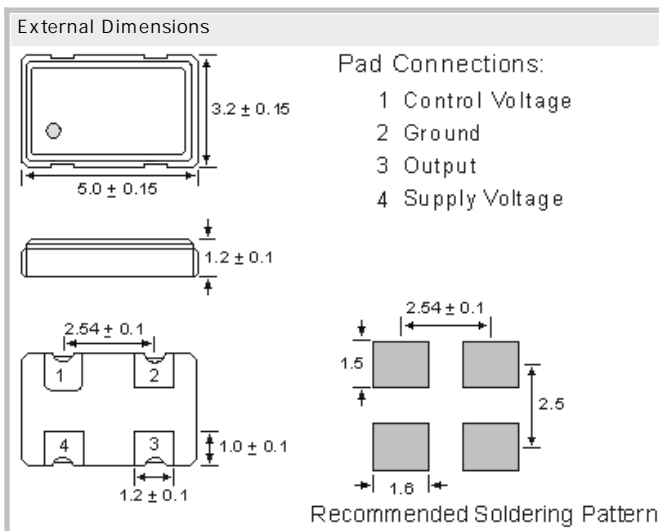


VCXO-Oscillator SMD VCXO5032T5.0-4pad 5.0V
Voltage Controlled Crystal Oscillator

- Output Wave Form CMOS/TTL
- SMD in ceramic case (5.0 x 3.2 x 1.2) mm
- 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, 1000G 1/2 sine wave
- Available in many standard and special frequencies



Specifications

Holder Type:	VCXO5032T5.0-4pad 5.0V (Voltage code is "5.0")
Frequency Range:	1.0 MHz to 50.0 MHz (Fun. frequency crystal used)
Initial Freq. Accuracy (at 25 °C):	To tune to the nominal frequency with Vc = +2.5V ± 0.2V
Frequency Stability at 25 °C/Deviation:	± 25ppm (typ.), ± 50ppm, ± 100ppm / ± 100ppm (typ.), ± 150ppm
Operating Temperature Range:	-10°C to +70°C / -40°C to 85°C, Storage Temp. -50°C to +105°C
Power Supply Voltage (Vdd):	+5.0V DC ± 10%
Maximum Supply Current:	35.0 mA max.
Output Load:	2 TTL gates max. / CMOS 15pF (typ.)
Output "1" Level (VOH):	4.5V (min.) CMOS
Output "0" Level (VOL):	0.5V (max.) CMOS
Output Symmetry (Duty Cycle):	Standard 50% ± 10%, Option 50% ± 5%
Voltage Control:	2.5V DC Center / 0.5V to 4.5V Range
Linearity:	6% typical; 10% max.
Rise (Tr) / Fall Time (Tf):	(Tr) 6ns (max.); 4ns (typ.) Measured between 0.4V and 2.4V (Tf) 6ns (max.); 4ns (typ.) Measured 20% to 80% of wave form
Integrated Phase Jitter:	1 ps max. (12 kHz to 20 MHz)
Start Up Time:	10 ms (max.), 5ms (typ.)
Aging:	± 3 ppm per year (max.)
Reflow Condition:	10 sec. max. at 260°C

GERMANY:

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