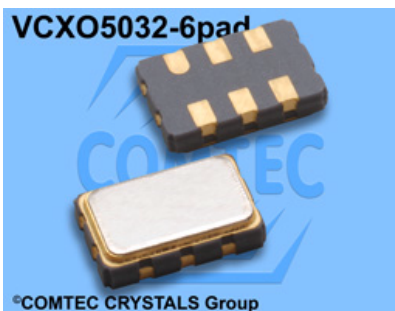
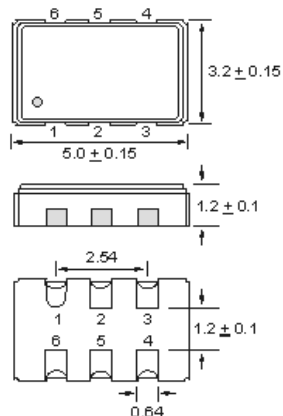




VCXO-Oscillator SMD VCXO5032T1.8-6pad 1.8V
Voltage Controlled Crystal Oscillator

- 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, 1000GG 1/2 sine wave
- Available in many standard and special frequencies

External Dimensions

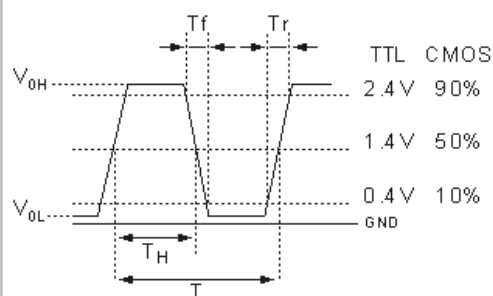


- 1 Control Voltage
- 2 Tri-State
- 3 Ground
- 4 Output
- 5 No Connection
- 6 Supply Voltage

Recommended Soldering Pattern



CMOS/TTL Output Wave Form



Specifications - Product No. G030000000JMUUPC00BA

Holder Type:	VCXO5032T1.8-6pad Tristate 1.8V (Voltage code is " 1.8 ")
Frequency:	30.000000 MHz
Initial Freq. Accuracy (at 25 °C):	To tune to the nominal frequency with Vc = 0.9V ±0.15V
Freq. Stability o.Operating Temp. Range:	± 50.0 ppm
Operating Temperature Range:	± 50.0 ppm over -20°C to +70°C (inclusive of 25°C tolerance, ± 10% input voltage variation, load change, aging, shock and vibration)
Frequency Deviation:	±100ppm
Power Supply Voltage (Vdd):	+1.8V DC ± 5%
Maximum Supply Current:	12.0 mA
Output Load CL:	CMOS 15 pF
Output "1" Level (V0H):	1.62V (min.) CMOS
Output "0" Level (V0L):	0.183V (max.) CMOS
Output Symmetry (Duty Cycle):	40/60%
Tri-state Function:	Tri-state Enable High. No connection or Vdd- 0.5Vmin.is applied to a Tri-state pin to enable output. Ground+0.5Vmax. to disable output (high impedance).
Modulation Bandwidth (at -3 dB):	10KHz min, Vcontrol at 1.65V or at 2.5V
Voltage Control:	0.9V DC Center / 0.0V to 1.8V Range
Linearity:	6% typical; 10% max.
Rise/Fall Time TTL:	6ns (max.) 4ns (typ.) Measured between 0.4V and 2.4V
Rise/Fall Time CMOS:	6ns (max.) 4ns (typ.) Measured between 20% and 80% Vdd of the wave form (CL = 15pF)
Integrated Phase Jitter:	1 ps max. (12 kHz to 20 MHz)
Phase Noise (27MHz at 3.3V):	-40dBc/Hz at 10Hz offset -147dBc/Hz at 10kHz offset -104dBc/Hz at 100Hz offset -152dBc/Hz at 100kHz offset -132dBc/Hz at 1kHz offset -150dBc/Hz at 1MHz offset
Start Up Time:	10 ms (max.), 5ms (typ.)
Aging:	±3 ppm per year (max.)
Input Impedance:	1 M Ohm typical
Reflow Condition:	10 sec. max. at 260°C

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
Internet: <http://www.comtec-crystals.com>
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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
Internet: <http://www.comtec-crystals.com>
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