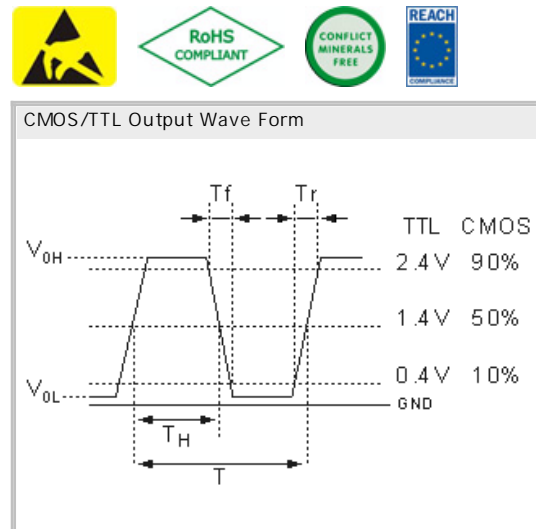
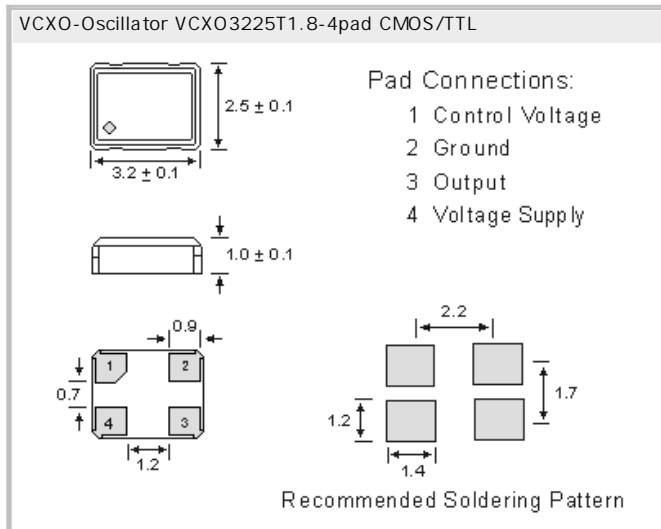


VCXO-Oscillator VCXO3225T1.8-4pad 1.8V, Voltage Controlled Crystal Oscillator

- Output Wave Form CMOS
- SMD in ceramic case (3.2 x 2.5 x 1.0) 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



Specifications - Product No. G025000000JWSUPC43AB

Holder Type:	VCXO3225T1.8-4pad 1.8V VCXO-Oscillator, Voltage Controlled Crystal, Oscillator Electrical Frequency Tuning
Frequency:	25.000000 MHz
Initial Freq. Accuracy (at 25 °C):	To tune to the nominal frequency with $V_c = 1.25V \pm 0.2V$
Freq. Stability o. Operating Temp. Range:	± 25.0 ppm
Operating Temperature Range:	± 25.0 ppm over $-40^\circ C$ to $+85^\circ C$ (inclusive of $25^\circ C$ tolerance, $\pm 10\%$ input voltage variation, load change, aging, shock and vibration)
Frequency Deviation:	± 100 ppm
Power Supply Voltage (Vdd):	+1.8V DC $\pm 10\%$
Maximum Supply Current:	12.0mA
Output Load CL:	CMOS 15 pF
Output "1" Level (VOH):	1.62V (min.) CMOS
Output "0" Level (VOL):	0.183V (max.) CMOS
Output Symmetry (Duty Cycle):	45/55%
Voltage Control:	0.9V DC Center / 0.00V to 1.8V Range
Linearity:	6% typical; 10% max.
Rise/Fall Time:	6ns (max.) 4ns (typ.) Measured between 0.4V and 2.4V
Integrated Phase Jitter:	1 ps max. (12 kHz to 20 MHz)
Phase Noise (27MHz at 3.3V):	-75dBc/Hz at 10Hz offset -145dBc/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.)
Reflow Condition:	10 sec. max. at $260^\circ C$

GERMANY:

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