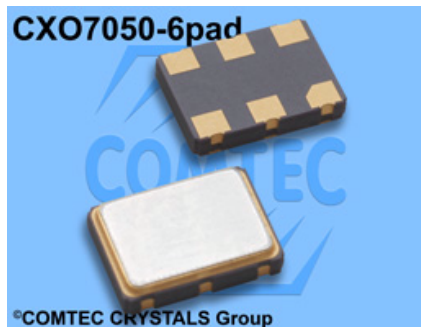




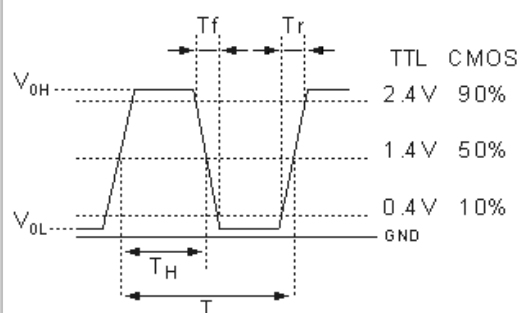
Programmable Crystal Clock Oscillator CXP7050TF
3.3V 1 - 200MHz, 2.5V 1 - 200MHz, 1.8V 1 - 125MHz

- SMD in ceramic case (5.0 x 3.2 x 1.2) mm
- Tri-State Enable / Disable on pad No. 1
- CMOS/TTL Square Wave
- on Tape & Reel (Tape 16mm) or on trays
- 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



CMOS/TTL Output Wave Form



Specifications

Holder Type:	CXP7050TF	\$13					
Frequency Range:	3.3V (1.0 ~ 200.0MHz), 2.5V (1.0 ~ 200.0MHz), 1.8V (1.0 ~ 125.0MHz)						
Frequency:	00.000000 MHz Blank, Ground Frequency						
Frequency Stability at 25°C:	±25 ppm / ±50 ppm / ±100 ppm						
Operating Temperature Range:	-40°C to +85°C, ±25 ppm / ±50 ppm / ±100 ppm (Inclusive of 25°C tolerance, operating Temp., Supply Voltage, & Load, aging, shock and vibration)						
Storage Temperature:	-55°C to +150°C						
Power Supply Voltage (Vdd):	+ 3.3V D.C. ± 10%, + 2.5V D.C. ± 10%, + 1.8V D.C. ± 5%,						
PLL Off: 25MHz Supply Current:	3.3V 30mA; 2.5V 28mA; 1.8V 20mA; (15pF)						
PLL On: 200MHz Supply Current:	3.3V 40mA; 2.5V 35mA; 1.8V 30mA; (15pF)						
Rise/Fall Time:	3.3V 3.0ns typ. 2.5V 3.0ns typ. 1.8V 4.0ns typ. (25MHz, PLL off) 3.3V 1.5ns typ. 2.5V 1.5ns typ. 1.8V 1.5ns typ. (200MHz, PLL off)						
Output Load:	15pF						
Start Up Time:	4.5ms typ.; 10ms (max.)						
Output Symmetry (Duty Cycle):	1 MHz to 150 MHz : 50% ±5% (measured at 50% Vdd) 150 MHz to 200 MHz : 50% ±10%						
RMS Jitter:	0.9ps typical						
SSB Phase Noise (typical) offset:	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
125.000 MHz@3.3 dBc/Hz:	-61	-89	-110	-119	-119	-142	-149
Output Enable /Disable Time:	70% of Vdd (min) to Enable / 30% of Vdd (max) to Disable						
Power Down Mode (code: PD):	Disable Current:300µA (typ.); 400µA (max.) Output Enable Time:4.5msec (Typ); 10msec (max.)						
Stand-by Mode (Code: SB):	Disable Current: 18mA (typ.); 22mA (max.) Output Enable Time : 10ms (max.)						
Reflow Condition:	260°C max. for 10 sec.						

GERMANY:

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