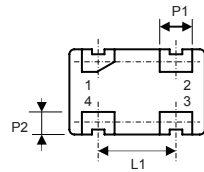
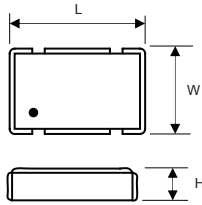


SMD Clock Oscillator - DXO-57

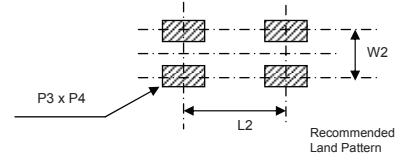
Outline Drawing

Dimension (Unit=mm)



Bottom View

Pin	Connection
1	NC or INH
2	VSS
3	Output
4	+VDD



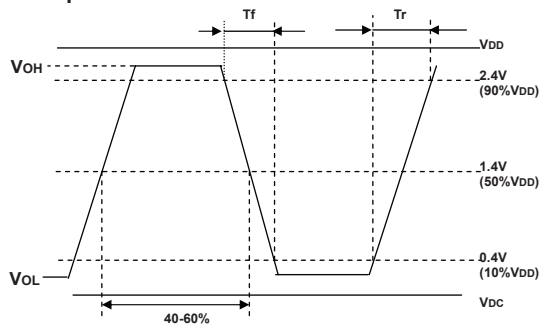
Recommended Land Pattern

Type	L	W	H	L1	P1	P2	L2	W2	P3	P4
DXO-75	7.0 ±0.15	5.0 ±0.15	1.4 ±0.2	5.08 ±0.15	1.4 ±0.1	1.2 ±0.1	6.4 ±0.15	3.74 ±0.15	2.2 ±0.1	1.4 ±0.1

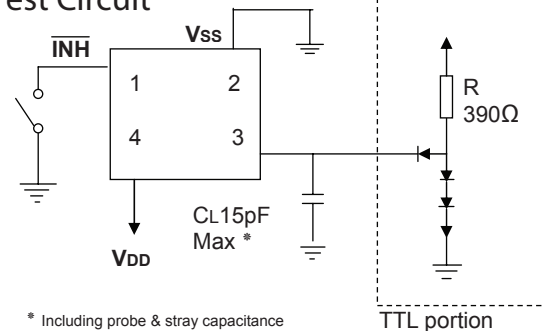
Quartz crystal oscillators house a small 5x7mm package. Choice of 3.3V and 5V supply versions.

- General, Microprocessor • Ultra Thin Ceramic Package • Cost effective • Surface mount •
- HCMOS/TTL output • Tri-state option • Supplied taped and reeled.

Output Waveform



Test Circuit



* Including probe & stray capacitance

TTL portion

Specification

Nominal Frequency Range	1.5 to 23.99MHz	24 to 49.99MHz	50 to 80MHz
Frequency Toleration	±50ppm (Options: ±25, ±100ppm)		
Operating Temperature Range	0°C to +70°C		
Storage Temperature Range	-40°C to +85°C		
Supply Voltage (V _{DD})	3.3V or 5V ±10%		
Current Consumption (max.)	25mA	40mA	50mA
Output Symmetry at 1/2V _{DD}	40% to 60% (standard), 45% to 55% tight		
Output Load	15pF HCMOS or 10TTL		
Output Level "L" (max.)	10% V _{DD} HCMOS or +0.4VDC TTL		
Output Level "H" (min.)	90% V _{DD} HCMOS or +2.4VDC TTL		
Rise/Fall Time (10%-90% V _{DD})(max.)	10ms		
Start up Time (max.)	10ms		
Stand by function	Tri State		

Part Number Guide:

Case	Frequency (MHz)	Freq. Tol (PPM)	Symmetry	Input Voltage	Ant Part No.
DXO57	4	50	T	3.3	DXO-2014
DXO57	8	50	T	3.3	DXO-2022
DXO57	10	50	T	3.3	DXO-2028
DXO57	12	50	T	3.3	DXO-2033
DXO57	16	50	T	3.3	DXO-2026
DXO57	20	50	T	3.3	DXO-2034
DXO57	24	50	T	3.3	DXO-2037
DXO57	32.768	50	T	3.3	DXO-2041
DXO57	40	50	T	3.3	DXO-2052
DXO57	50	50	T	3.3	DXO-2059
DXO57	60	50	T	3.3	DXO-2066
DXO57	80	50	T	3.3	DXO-2070
DXO57	100	50	T	3.3	DXO-2081