

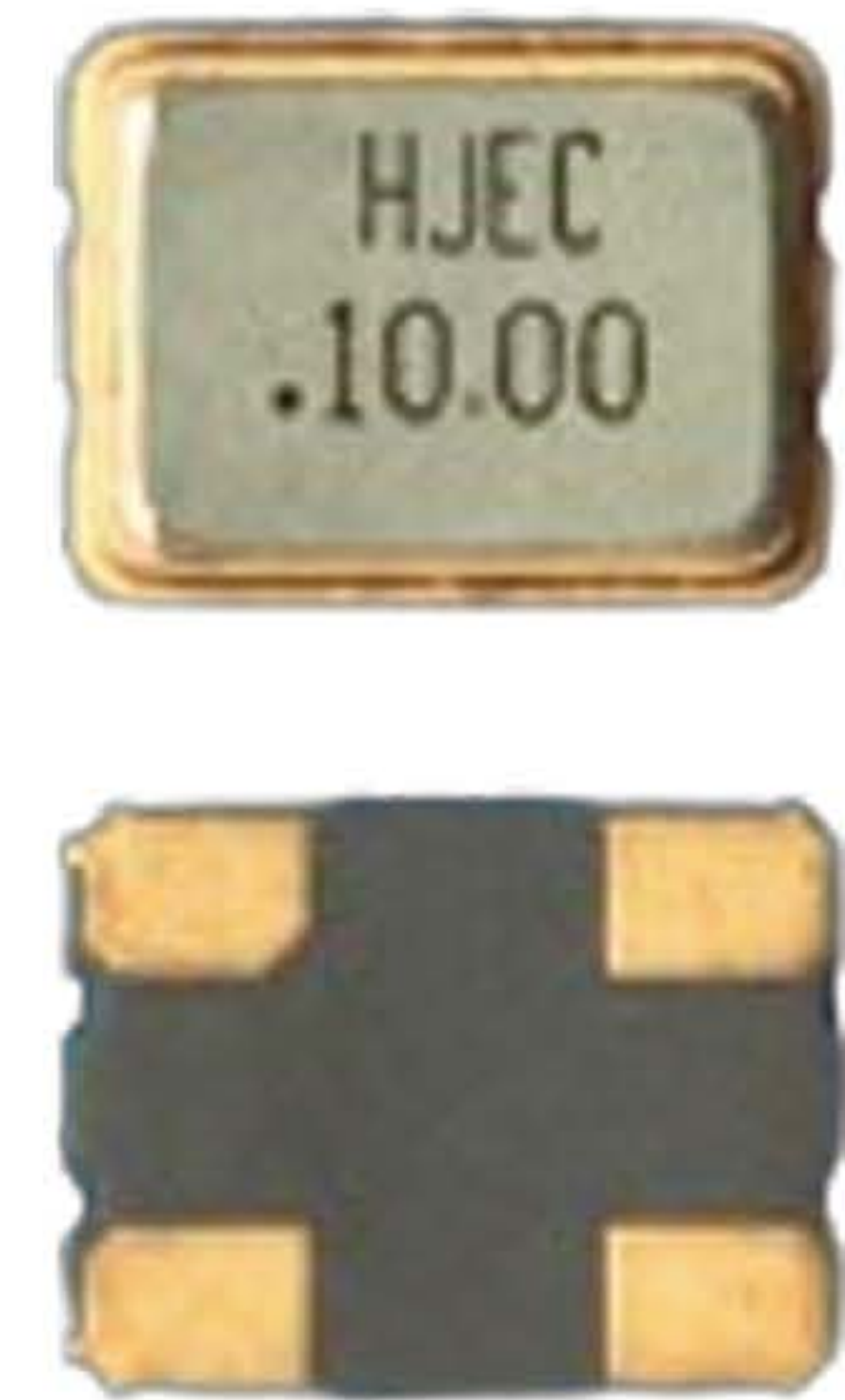
XO3225

Features

- Optional ED control function
- Compatible with TTL/HCMOS
- Compact size
- Dribbling packaging
- Environmentally friendly product

Application

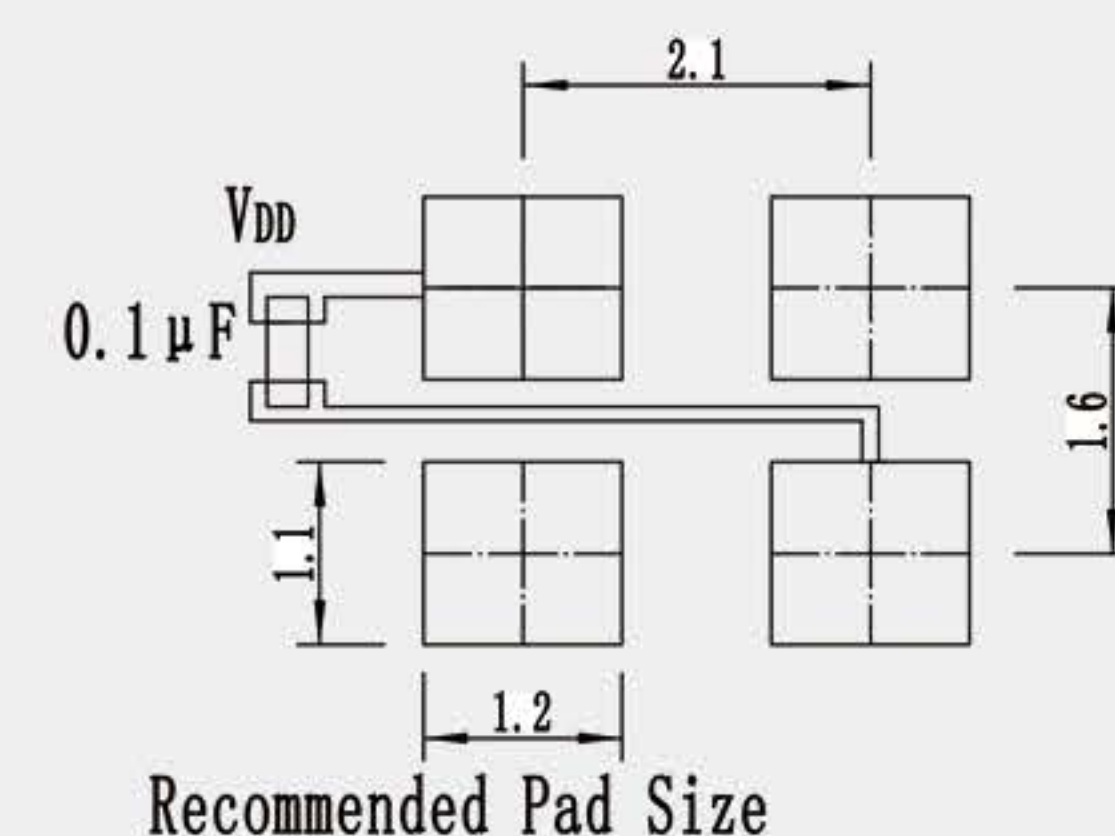
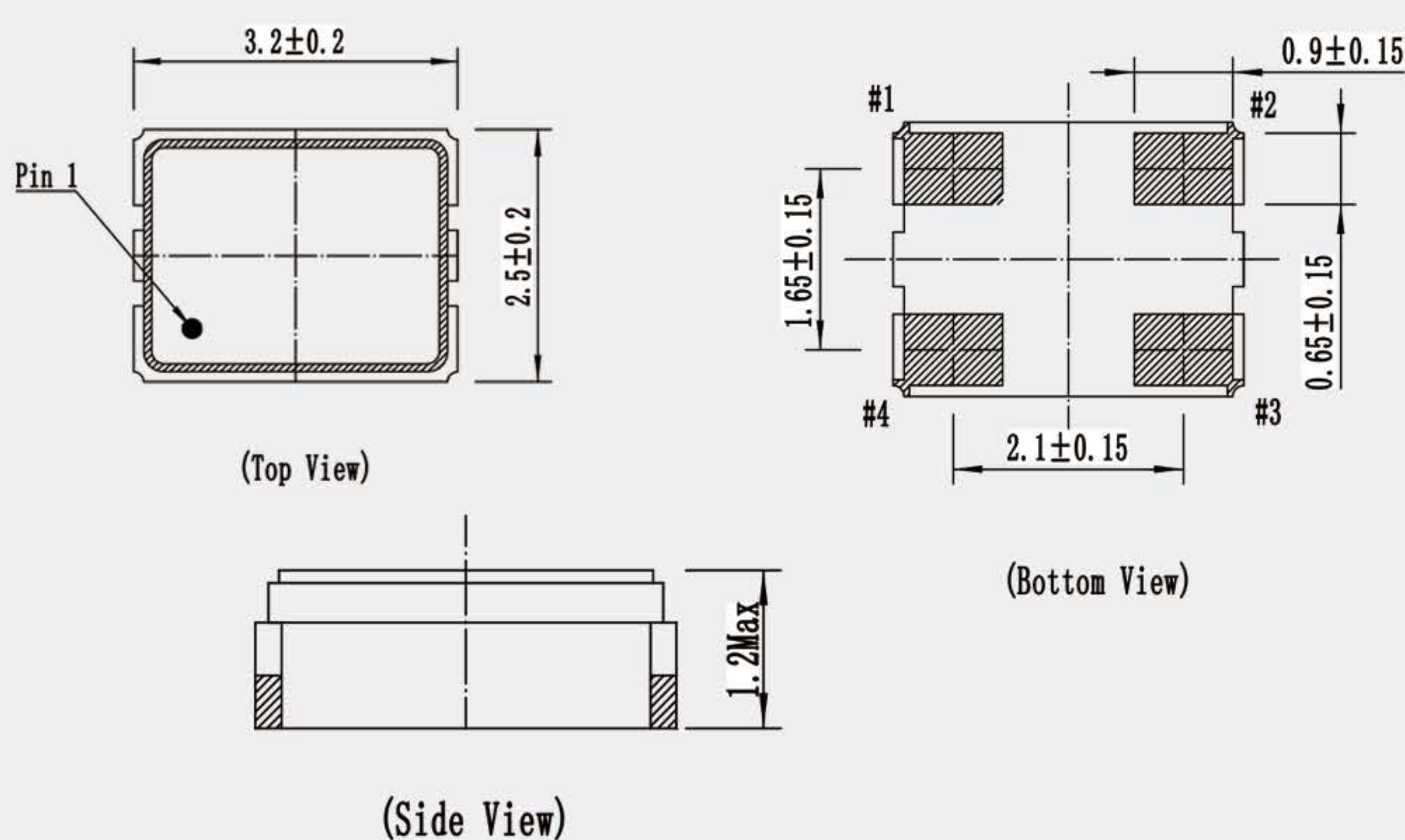
- Industrial control
- Communication network
- Automotive electronic
- Instruments and Apparatus
- Military equipment



Electrical Specification

Model	Condition	XO3225		
Frequency Range		32.768KHz~125.000MHz		
Frequency Tolerance	At 25°C	≤ ± 25 ppm		
Supply Voltage (V)	+/-10%	+3.3	+2.5	+1.8
Supply Current (mA)	32.768KHz	2 Max	2 Max	1 Max
	1M ≤ F0 < 40M	15 Max	10 Max	10 Max
	40M ≤ F0 < 70M	20 Max	15 Max	15 Max
	70M ≤ F0 < 200M	30 Max	20 Max	-
Standby Consumption	E/D=GND	10 μ A Max		
Output Waveform		CMOS		
Output Load		15pF		
E/D Control Function		N:Fixed Frequency, No E/D Control		
Output Symmetry	1.4V or 1/2VDD	45%~55%		
Rise time/Fall time	32.768K ≤ F0 ≤ 1M	50nS Max.		
	1M ≤ F0 ≤ 125M	5nS Max.		
Jitter	12KHz~20MHz	3.0pS Max.		
Output Level	"0"	10% Supply voltage		
	"1"	90%Supply voltage		
Start-Up Time		<30mS (32.768K ≤ F0 < 1M); <10mS (1M ≤ F0 ≤ 125M)		
Frequency Aging	25° C ± 3° C	± 3 × 10 ⁻⁶ /Year Max.		
Storage Temperature		-55° C~+125° C		

Drawing



Pin	Function	E/D Function	
		#1	#3
#1	E/D Dangling	High Level (70%VDD Min.) Or Open Circuit	Start Up
#2	Ground		
#3	Output	Low Level (30%VDD Max.) Or Ground	High Resistivity State
#4	Power		