

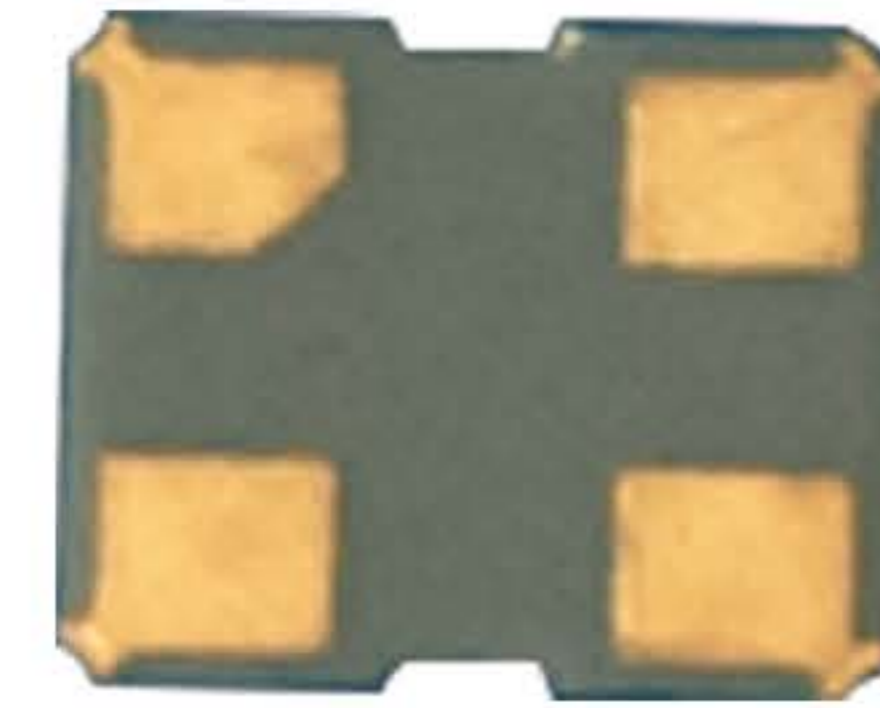
XO2016

Features

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

Application

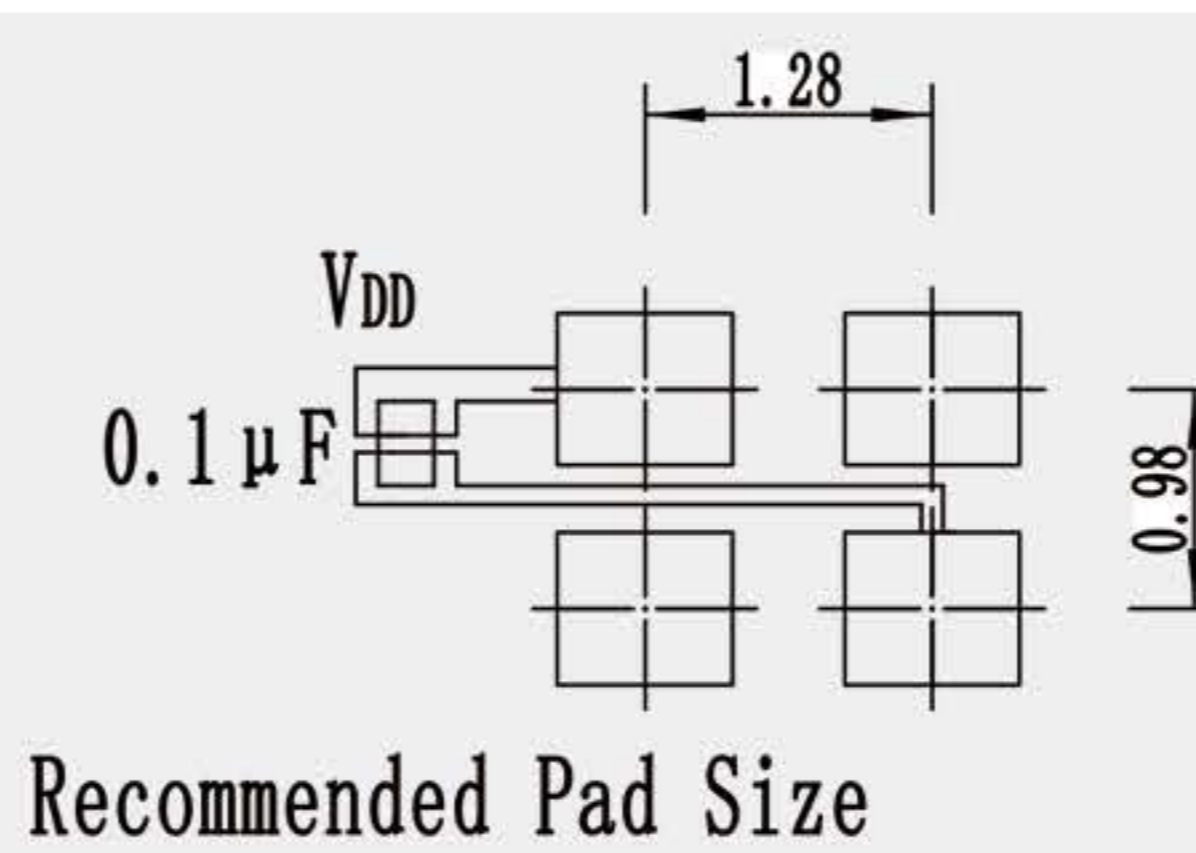
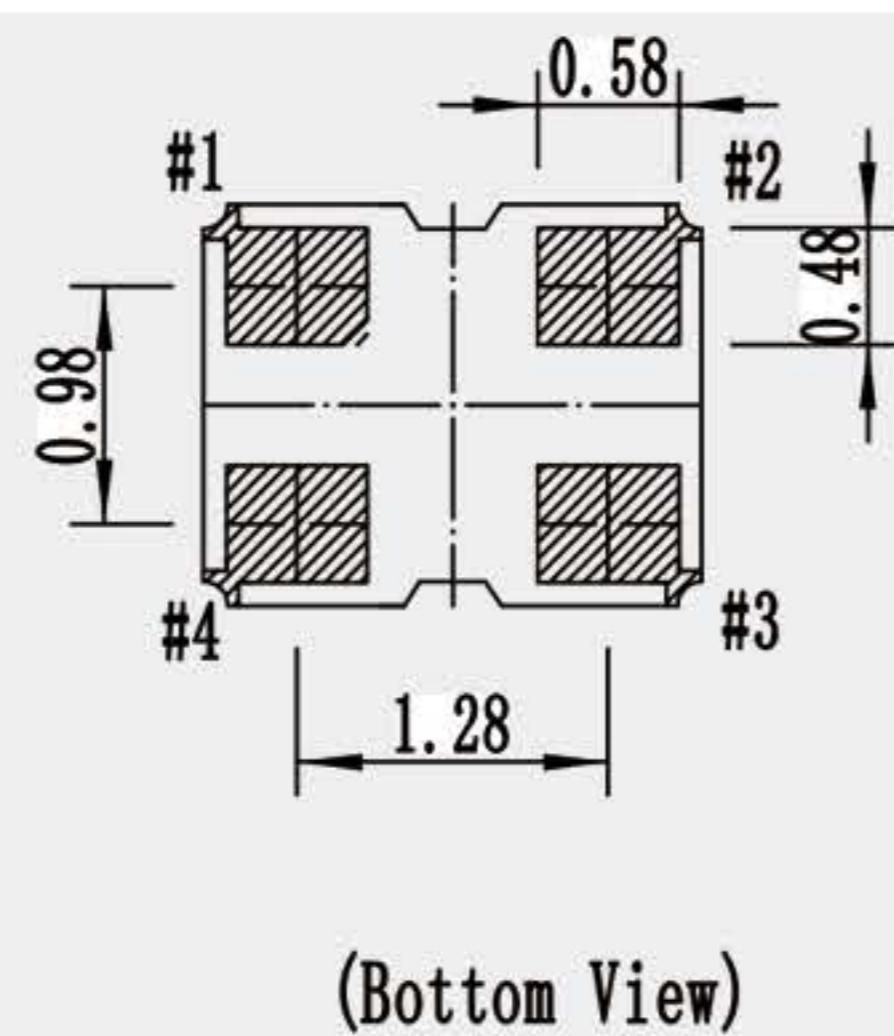
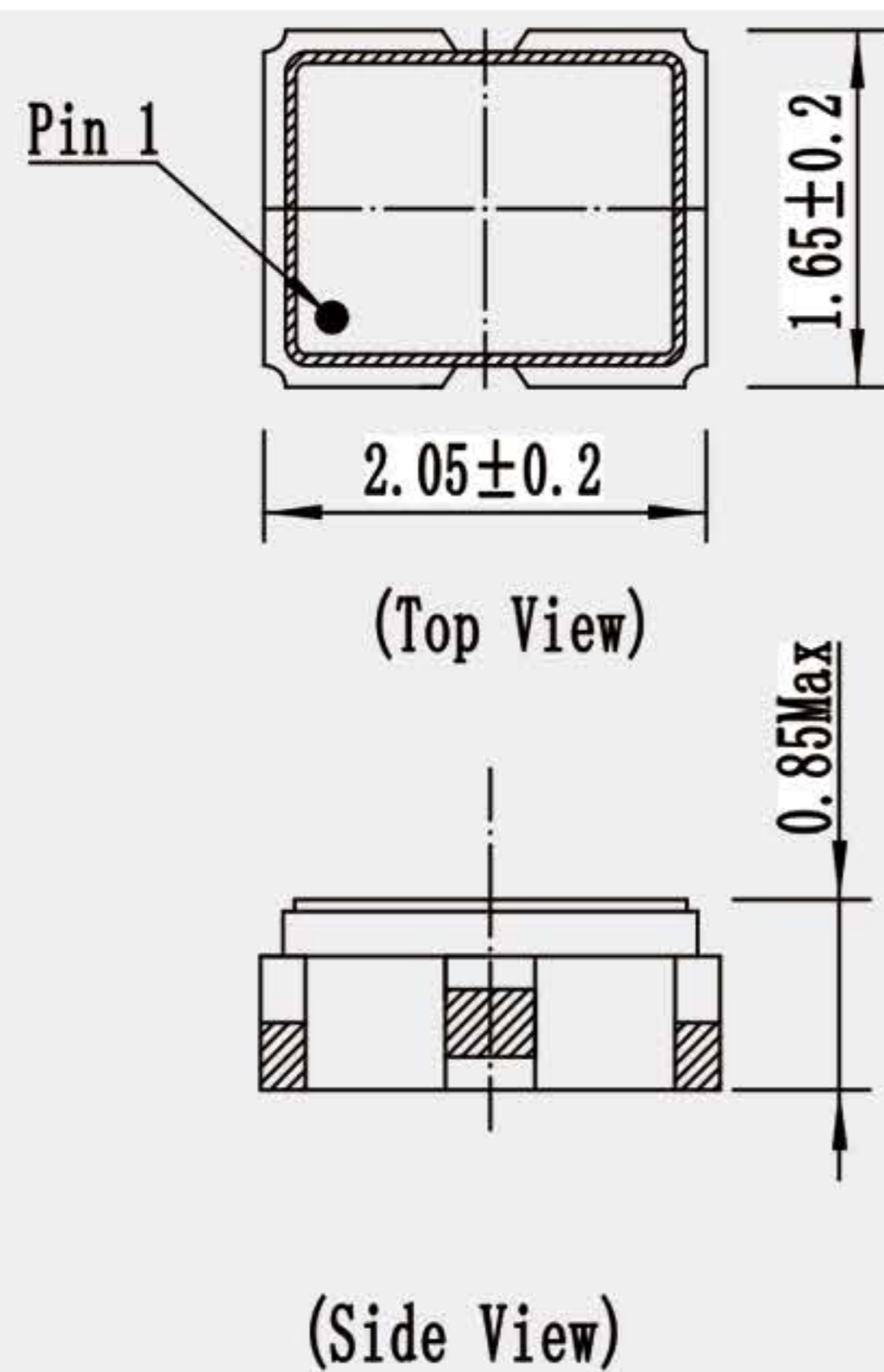
- Industrial control
- Communication network
- Internet
- Instruments and Apparatus



Electrical Specification

Model		Condition	XO2016		
Frequency Range			1.500MHZ~80.000MHZ		
Frequency Tolerance		At 25°C	≤ ± 25 ppm		
Supply Voltage (V)		+/-10%	+3.3	+2.5	+1.8
		1.50M ≤ F0 < 30M	5 Max	4 Max	3 Max
		30M ≤ F0 < 80M	10 Max	8 Max	6 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			10nS Max.		
Jitter		12KHz~20MHz	3.0pS Max.		
Output Level	"0"		10% Supply voltage		
	"1"		90%Supply voltage		
Start-Up Time			5mS Max		
Frequency Aging		25° C ± 3° C	± 3 × 10 ⁻⁶ /Year Max.		
Storage Temperature			-55° C~+125° C		

Drawing



Pin	Function
#1	E/D Dangling
#2	Ground
#3	Output
#4	Power

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