

# VOLTAGE CONTROLLED CRYSTAL OSCILLATOR

LIHOM P/N : BXV-253R

## FEATURES

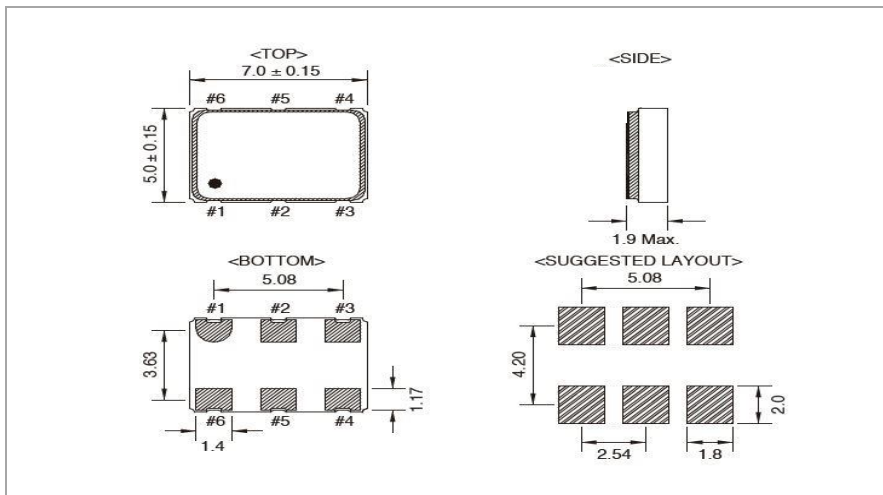
- DIMENSION (mm) : 7.00 X 5.00 X 1.90
- CERAMIC PACKAGE
- VOLTAGE CONTROLLED CRYSTAL OSCILLATOR
- SEAM SEALING
- RoHS COMPLIANT
- TTL/HCMOS OUTPUT COMPATIBLE



## SPECIFICATIONS

Item	Conditions	Specifications		
1	HOLDER TYPE	BXV-253R	5.0X7.0mm	
2	POWER SUPPLY VOLTAGE	V	3.3±5%	5.0±5%
3	FREQUENCY RANGE	MHz	1.544 ~ 80MHz	1.544 ~ 54MHz
4	FREQUENCY CALIBRATION	AT 25 °C	±15ppm	
5	TEMPERATURE STABILITY	PPM	±15ppm ~ ±50ppm	
6	STABILITY VS POWER CHANGE	Vdd±5%	±3ppm	
7	STABILITY VS LOAD CHANGE	15pF±10%	±3ppm	
8	OPERATING TEMPERATURE RANGE	°C	-20 ~ +70 °C (-40 ~ +85 °C Option)	
9	STORAGE TEMPERATURE RANGE	°C	-55 ~ +125 °C	
10	CONTROL VOLTAGE RANGE	V	0 ~ 3.3V	0.5 ~ 4.5V
11	PULLABILITY	PPM	±100ppm Min	±100ppm Min
12	OUTPUT LOAD	pF	15pF	
13	OUTPUT VOLTAGE LEVEL		VoL : 10%Vdd Max / VoH : 90%Vdd Min	
14	CURRENT CONSUMPTION	mA	30mA	40mA
15	RISE / FALL TIME	20% ~ 80%Vdd	8nS	
16	SYMMETRY	AT 1/2Vdd	45/55%	
17	TRI-STATE FUNCTION		#2:"High(open)"->Output enable / #2:"Low"->Output disable	
18	PHASE JITTER	RMS	<1.0pS RMS	
19	AGING/YEAR	PPM	<±3ppm	

## DIMENSION



TERMINAL	CONNECTION
#1	Vc
#2	TRI-STATE
#3	GND
#4	OUTPUT
#5	N.C
#6	Vdd