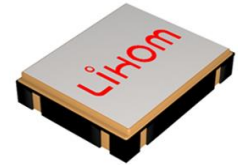


TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR

LIHOM P/N : BXT-253S(V) (TCXO, VCTCXO)

FEATURES

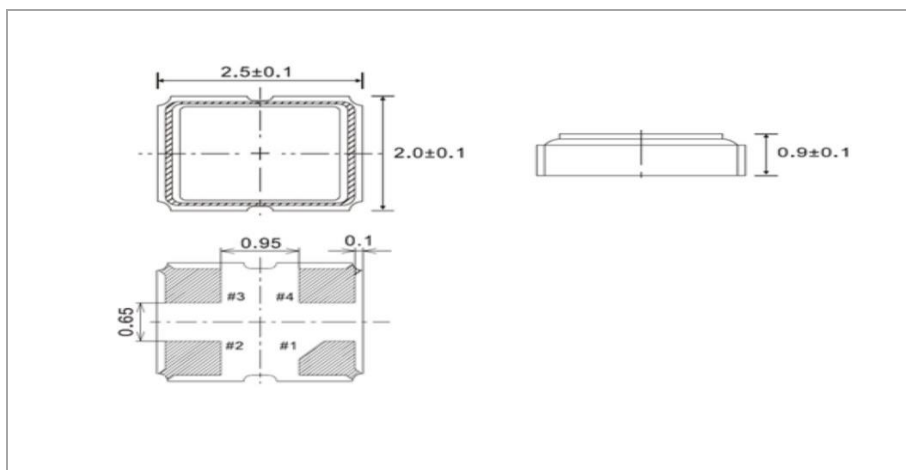
- DIMENSION (mm) : 2.50 X 2.00 X 0.90
- CERAMIC PACKAGE
- CLIPPED SINE WAVE
- SEAM SEALING
- RoHS COMPLIANT



SPECIFICATIONS

| Item | Conditions | Specifications | |
|------|-------------------------------|------------------------|---|
| 1 | HOLDER TYPE | BXT-253S(V) | |
| | | TCXO, BXT-253S | 2.5X2.0mm VCTCXO, BXT-253SV |
| 2 | POWER SUPPLY VOLTAGE | V | 1.8 ~ 3.3V |
| 3 | FREQUENCY RANGE | MHz | 13 ~ 52MHz |
| 4 | INITIAL CALIBRATION TOLERANCE | AT +25±3 °C | <±1.0ppm |
| 5 | FREQUENCY STABILITY | PPM | ±0.5ppm |
| | | OPERATING TEM. RANGE | -30 ~ +85 °C (-40 ~ +85 °C Option) |
| | | Vs AGING | ±1.0ppm /Year Max. At 25 °C |
| | | Vs VOLTAGE CHANGE | ±0.2ppm At Vdd±5%DC |
| | | Vs LOAD CHANGE | ±0.2ppm At 10KΩ±5% |
| 6 | STORAGE TEMPERATURE RANGE | °C | -55 ~ +125 °C |
| 7 | OUTPUT VOLTAGE LEVEL | PEAK TO PEAK | 0.8V p-p Min |
| 8 | CURRENT CONSUMPTION | mA | 2mA |
| 9 | FREQUENCY TUNING | CONTROL VOLTAGE CENTER | 0.9V ± 0.6V (Vdd =1.8V) 1/2Vdd ±1.0V (Vdd =2.5V ~3.3V) |
| | | FREQUENCY DEVIATION | ±5ppm Min |
| | | SLOPE POLARITY | Positive |
| 10 | START-UP TIME | | 5.0ms |
| 11 | OUTPUT LOAD | | 10KΩ // 10pF ± 10% |
| 12 | OUTPUT WAVE FORM | | CLIPPED SINE WAVE (DC-COUPLING) |

DIMENSION



| TERMINAL | CONNECTION |
|----------|----------------|
| #1 | Vc / NC or GND |
| #2 | GND |
| #3 | OUTPUT |
| #4 | Vdd |