

B306 32.768kHz CRYSTAL SERIES

SMD PLASTIC J-LEAD PACKAGE

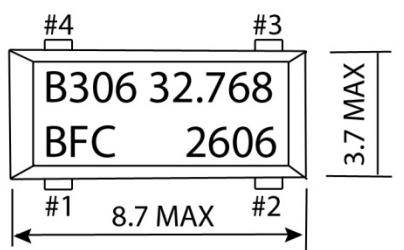


Features:

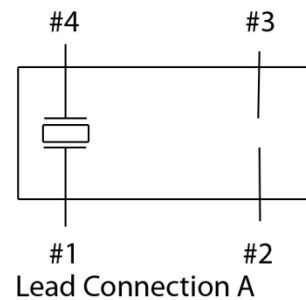
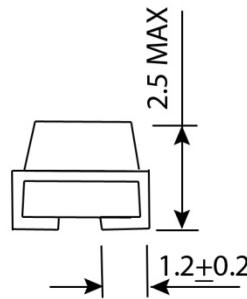
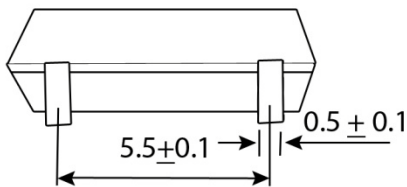
- 32.768 kHz Frequency
- Suitable for Time of Day Clock Applications
- Performance with Economic Cost
- Miniature SMD Thermoplastic Package with 2.5mm Height
- Excellent Shock Resistance
- Excellent Environmental Characteristics
- Compatible to Citizen CM200S/ Epson MC-306
- **RoHS Compliant**

ELECTRICAL SPECIFICATIONS	
Frequency Range	32.768 kHz
Turnover Temperature	25°C ± 5°C on a Parabolic Curve
Calibration Tolerance @ 25°C	± 20ppm Max.
Frequency Stability Ref @ 25°C	Frequency Shift @ T°C in ppm = -0.035*(T-25) ² +/-10% (ppm)
Temperature Range	-40 to 85°C,
Crystal Aging	± 3ppm / Year Maximum
Storage Temperature	-55°C to +125°C
Equivalent Series Resistance	55 kOhms Maximum
Motional Capacitance	0.0018pF
Shunt Capacitance	< 1.0pf
Aging (1 st Year)	±3 ppm / year Maximum
Load Capacitance (CL)	6pF to 32pF (12.5pF Load Standard) or Series Resonant
Drive Level	0.001mW Maximum
Insulation Resistance	500,000 k Ohms min.

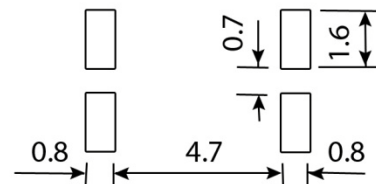
Part Numbering System		
Model	Load (CL)	Frequency
BFC 306	S = Series	32.768 kHz
	10pF - 32pF	
	Blank = 12.5pF	



Mechanical Dimensions (mm)



Recommended Solder Pad Layout



All dimensions are typical unless otherwise specified