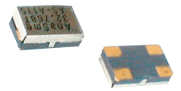




BSM327KA SERIES

32.768kHz CMOS OSCILLATOR

CERAMIC LCC ULTRA MINIATURE SMD PACKAGE



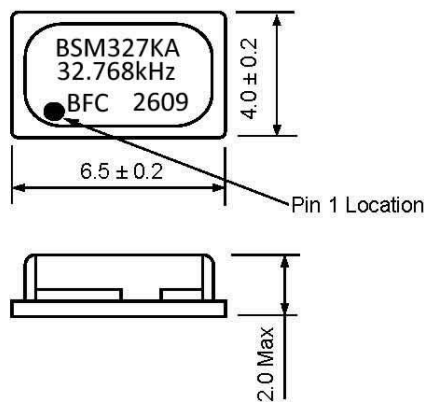
Features:

- **RoHS Compliant**
- SMD Ceramic LCC Ultra Small Package (6.5 x 4.0 x 2.0mm)
- 32.768kHz Square Wave CMOS Output
- Tri-state Enable/Disable Standard
- Tight Stability Over Temperature Range
- Extended Temperature Range (-40°C to 85°C) Available

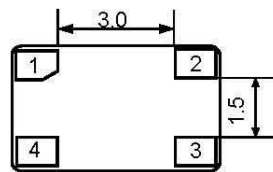
ELECTRICAL SPECIFICATIONS		
Model	BSM327KA	
Frequency	32.768 KHz	
Frequency Stability	+30ppm to 0ppm@25°C(Vcc=2 to6.0VDC)	
Stability vs. Temp	+30ppm t -60ppm/-10°C to 60°C	
	+30ppm t -200ppm/-40°C to 85°C	
Turnover Temperature	25°C ±5°C on a Parabolic Curve	
Operating Temperature Range	-10°C to 60°C / -40°C to 85°C	
Storage Temperature Range	-40 to +85°C	
Input Voltage	+1.5VDC to 6.0VDC	
Input Current	5 mA Max. (at 3.3V)	
Output Load	CMOS: 15 pF Load	
Logic"1"/ Logic"0" Level	0.9Vcc Minimum / 0.1Vcc Maximum	
Rise & Fall Time	200ns Max.	
Start-up time	500ms Max (3.3V, 25°C)	
Tristate	60 / 40%	
Part Number Table		
Part Number	Stability vs. Temp	Operating Temperature Range
BSM327KA	Blank=+30ppm t -60ppm/-10°C to 60°C	Blank = -10°C to 60°C
	S = +30ppm t -200ppm/-40°C to 85°C	M = -40°C to 85°C

All specifications are subject to change without notice.

All Dimensions are in mm.

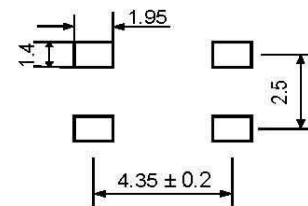


All dimensions are typical unless otherwise specified



Pin Connections
 #1: E/D or NC
 #2: Ground
 #3: Output
 #4: Vcc

Recommended Solder Pad Layout



Dimensions in Millimeters