



**Features:**

- RoHS Compliant (Pb-Free)
- SMD Ceramic LCC Ultra Small Package (BSM327K is 4.0 x 2.5 x 0.9mm) (BSM327KA is 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

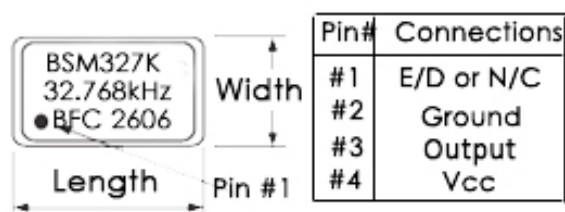


ELECTRICAL SPECIFICATIONS		
Model	BSM327K	BSM327KA
Frequency	32.768 KHz	
Frequency Stability	+5 ± 20 @25°C,(Vcc = 3.3V)	+30ppm to 0ppm@25°C(Vcc=2 to6.0VDC )
Stability vs. Temp	-120ppm to +10ppm/-20°C to 70°C	+30ppm t -60ppm/-10°C to 60°C +30ppm t -200ppm/-40°C to 85°C
Turnover Temperature	25°C ±5°C on a Parabolic Curve	
Operating Temperature Range	-20°C to 70°C	-10°C to 60°C / -40°C to 85°C
Storage Temperature Range	-40 to +85°C	
Input Voltage	1.3 VDC to 5.5VDC	+1.5VDC to 6.0VDC
Input Current	1.5 mA Max. (at 3.3V)	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	3 sec. Max (3.3V, 25°C)	500ms Max (3.3V, 25°C)
Tristate	60 / 40%	

Part Number Table		
Part Number	Stability vs. Temp	Operating Temperature Range
BSM327K	Blank=-120ppm to +10ppm/-20°C to 70°C	Blank = -20°C to 70°C
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.



Part Number	Length x Width x Height
BSM327K	4.0 x 2.5 x 0.9mm
BSM327KA	6.5 x 4.0 x 2.0mm

