

ELECTRICAL SPECIFICATIONS		Environmental/Mechanical Specifications on page F5	
Frequency	32.768kHz (AWS200S Package Only) 30.000kHz to 165.000kHz (AWS250S Package Only)		
Frequency Tolerance	±20ppm Max. (32.768kHz .. All packages)		
Parabolic Curvature Constant	±30ppm Max. (30.000kHz to 165.000kHz) -0.04ppm/(Δ°C) ² Max.		
Turnover Temperature	25°C ±5°C		
Temperature Coefficient / Frequency Stability	-0.034 ±0.006ppm/(°C ²)x2		
Operating Temperature Range	-10°C to 60°C		
Storage Temperature Range	-40°C to 85°C		
Load Capacitance	12.5pF Typical (contact factory for custom load capacitance)		
Frequency Stability	-.034±0.006ppm / (25-T)x2		
Resistance	30,000 - 50,000 Ohms Max.		
Q Factor	50,000 Min.		
Drive Level	1μWatt Maximum		
Shunt Capacitance	.8 to 1.7pF Typical		
Motional Capacitance	0.001 to 0.004pF		
Aging (First Year)	±3ppm Max. (AWS200S) / ±5ppm Max. (AWS250S)		

MECHANICAL DIMENSIONS	Revision: 2000-A
<p>AWS200S (2.0mm max. ht.)</p> <p>Marking Guide:</p> <p style="text-align: center;">32C49</p> <p>32 = Frequency (32.768kHz) C = Caliber Electronics Inc. 49 = Manufacturing Date Code</p>	<p>AWS250S (2.5mm max. ht.)</p> <p>Marking Guide:</p> <p style="text-align: center;">32C49</p> <p>69 = Frequency C = Caliber Electronics Inc. 49 = Manufacturing Date Code</p>