

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	Marking Guide on page F3-F4
<p style="text-align: center;">AWS200S (2.0mm max. ht.)</p> <p style="text-align: center;">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 style="text-align: center;">AWS250S (2.5mm max. ht.)</p> <p style="text-align: center;">Marking Guide:</p> <p style="text-align: center;">69C49</p> <p>69 = Frequency C = Caliber Electronics Inc. 49 = Manufacturing Date Code</p>