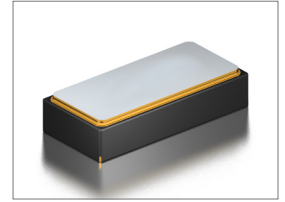
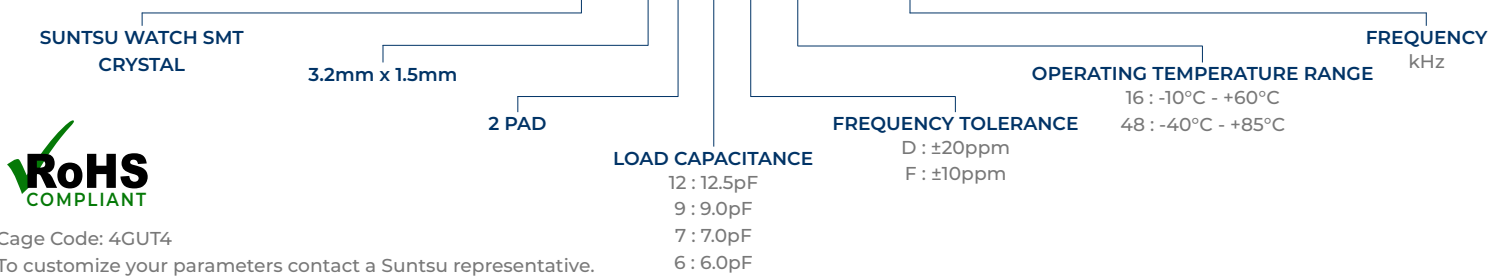


Features
<ul style="list-style-type: none"> ±20ppm (Tolerance) Available Ultra-Miniature Package Tape and Reel

Applications
<ul style="list-style-type: none"> Real Time Clock Measurement instruments Wireless Applications


Part Numbering Guide
SWS 31 2 12 D 48 - 32.768K


Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Range	kHz		32.768		
Frequency Tolerance at +25°C	ppm	-20		+20	See part numbering guide for options.
Frequency Stability vs. Aging	ppm	-3		+3	First year @ +25°C.
Frequency Coefficient (β)	ppm/T ²	-0.040	-0.030	-0.020	
Operating Temperature	°C	-40		+85	See part numbering guide for options.
Turnover Temperature	°C	+20	+25	+30	
Storage Temperature	°C	-55		+125	
Load Capacitance	pF	6		12.5	See part numbering guide for options.
Shunt Capacitance	pF		1.4		
Drive Level	μW			1	
Insulation Resistance	MΩ	500			@ 100VDC ± 15V.
Equivalent Series Resistance	kΩ			70	

Outline Drawing & Recommended Land Pattern

All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.

ELECTRODE ARRANGEMENT (BOTTOM VIEW)
