

Features

- ±20ppm (Tolerance) Available
- Gull-Wing Leads For SMD Type
- Reflow Capable
- Tape and Reel

Applications

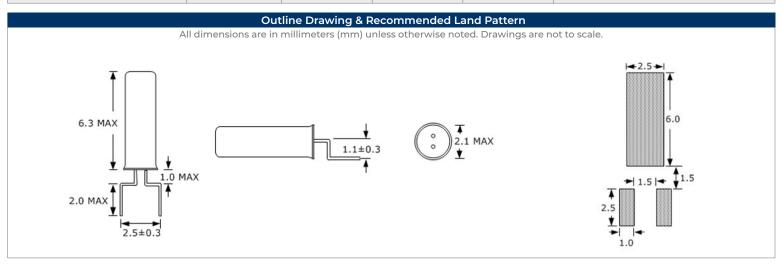
- Real Time Clock
- Measurement instruments
- Wireless Applications



6.3mm x 2.5mm

Part Numbering Guide SWG 62 2 12 D 48 - 32.768K SUNTSU GULL-WING **FREQUENCY CRYSTAL** kHz 6.3mm x 2.5mm OPERATING TEMPERATURE 2 LEAD **RANGE** 16:-10°C-+60°C LOAD **FREQUENCY** 48:-40°C-+85°C CAPACITANCE **TOLERANCE** 12:12.5pF D: ±20ppm 9:9.0pF F: ±10ppm 7:7.0pF 6:6.0pF Cage Code: 4GUT4 To customize your parameters contact a Suntsu representative.

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 (B)	ppm/T²	-0.040	-0.034	-0.028	
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		1.5		
Drive Level	μW			1	
Insulation Resistance	МΩ	500			@ 100VDC ± 15V.
Equivalent Series Resistance	kΩ			50	



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Environmental Specifica	ations	Mechanical Specifications		
Temperature Cycling	MIL-STD-883, Method 1010, Condition B	Mechanical Shock	MIL-STD-202, Method 213, Condition B	
Fine Leak Test	MIL-STD-883, Method 1014, Condition A	Vibration	MIL-STD-883, Method 2007, Condition A	
Gross Leak Test	MIL-STD-883, Method 1014, Condition C	Resistance to Soldering Heat	MIL-STD-202, Method 210, Condition B	
Moisture Resistance	MIL-STD-883, Method 1004	Resistance to Solvents	MIL-STD-202, Method 215	
Moisture Sensitivity	Hermetically Sealed, MSL=N/A: Not Applicable	Solderability	MIL-STD-883, Method 2003	

