SUNTSU

Low Frequency Tuning Fork Crystal

STF622 Series

6.2mm x 2.1mm

Features

- ±20ppm (Tolerance) Available
- RoHS Compliant
- Low Frequency Tuning Fork
- Miniature Package

Applications

- Real Time Clock
- Measurement instruments
- Wireless Applications

Part Numbering Guide

STF 62 2 B 48 - 48.000KHz

- STF — SUNTSU TUNING FORK CRYSTAL
- 62 — 6.2mm x 2.1mm
- 2 — 2 LEAD
- B — FREQUENCY TOLERANCE: B : ±30ppm; D : ±20ppm
- 48 — OPERATING TEMPERATURE RANGE: 16 : -10°C - +60°C; 48 : -40°C - +85°C
- 48.000KHz — FREQUENCY: KHz

RoHS COMPLIANT

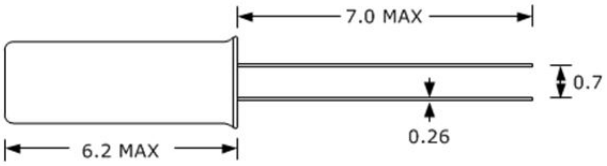
Cage Code: 4GUT4

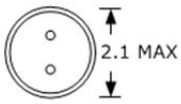
To customize your parameters contact a Suntsu representative.

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Range	KHz	25.000		200.00	
Frequency Tolerance at +25°C	ppm	-20		+20	See part numbering guide for options.
Frequency Stability v's Aging	ppm	-3		+3	First year @ +25°C.
Frequency Coefficient (ß)	ppm/T²	-0.040	-0.035	-0.030	
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		12.5		
Shunt Capacitance	pF		1.5		
Drive Level	µW			1	
Insulation Resistance	MΩ	500			@ 100VDC ± 15V.
Equivalent Series Resistance	kΩ			50	

Outline Drawing & Part Marking

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





Line 1: XX.XXX Y WW

Frequency in kHz

Year

Week

Enviromental Specifications		Mechcanical Specifications	
Temperature Cycling	MIL-STD-883, Method 1010, Condition B	Mechanical Shock	MIL-STD-202, Method 213, Condition C
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 K
Moisture Resistance	MIL-STD-883, Method 1004	Resistance to Solvents	MIL-STD-202, Method 215
Moisture Sensitivity	J-STD-020, MSL 1	Solderability	MIL-STD-883, Method 2003

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