

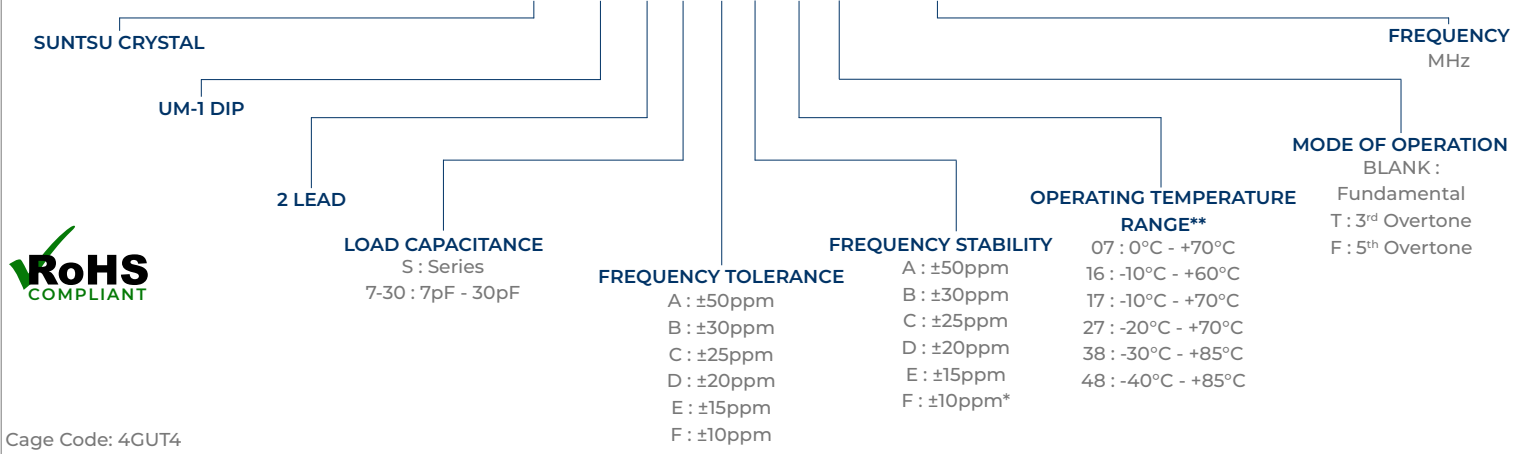
Features
<ul style="list-style-type: none"> <li>±10ppm/±10ppm (Tolerance/Stability) Available</li> <li>RESISTANCE WELD</li> <li>AT-Cut</li> <li>Bulk Packing</li> </ul>

Applications
<ul style="list-style-type: none"> <li>Computer</li> <li>Printer</li> <li>CPU, Memory</li> <li>Data Communication</li> </ul>



**Part Numbering Guide**

**SXT UM 2 18 A A 48 T - 72.000M**



Cage Code: 4GUT4

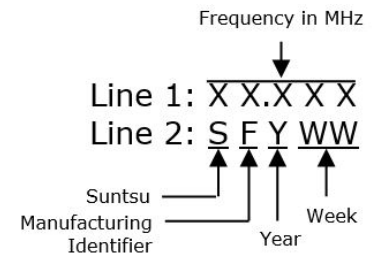
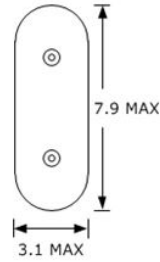
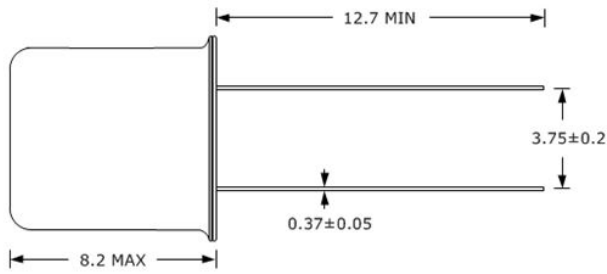
To customize your parameters contact a Suntsu representative.

\* For frequency stability option F contact a Suntsu representative. \*\* For operating temperatures of -55-125°C a Suntsu representative.

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Range	MHz	8		70	AT-Cut Fundamental
Frequency Range	MHz	35		200	3 <sup>rd</sup> Overtone
Frequency Tolerance at +25°C	ppm	-10		+10	See part numbering guide for options.
Frequency Stability vs. Op Temp	ppm	-10		+10	See part numbering guide for options.
Frequency Stability vs. Aging	ppm	-2		+2	First year @ +25°C.
Operating Temperature	°C	-40		+85	See part numbering guide for options.
Storage Temperature	°C	-40		+125	
Load Capacitance	pF	7		30	See part numbering guide for options.
Shunt Capacitance	pF			7	
Drive Level	µW		100	500	
Insulation Resistance	MΩ	500			@ 100VDC ± 15V.
8.000MHz ~ 11.999MHz	Ω			50	AT-Cut Fundamental
12.000MHz ~ 14.999MHz	Ω			30	AT-Cut Fundamental
ESR - 15.000MHz ~ 70.000MHz	Ω			25	AT-Cut Fundamental
35.000MHz ~ 44.999MHz	Ω			50	3 <sup>rd</sup> Overtone
45.000MHz ~ 54.999MHz	Ω			45	3 <sup>rd</sup> Overtone
55.000MHz ~ 200.000MHz	Ω			40	3 <sup>rd</sup> Overtone

**Outline Drawing & Part Marking**

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



**Environmental Specifications**

**Mechanical 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