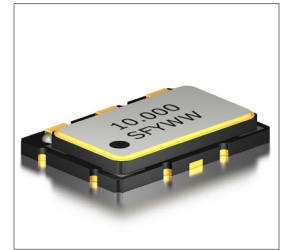


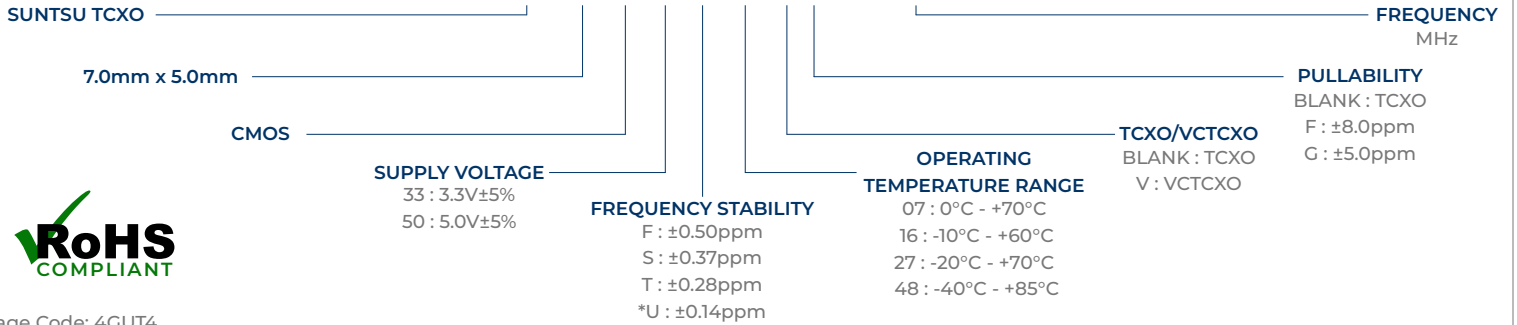
Features
<ul style="list-style-type: none"> Stratum 3 (Overall ± 4.6ppm) CMOS (VC)TCXO Tape and Reel

Applications
<ul style="list-style-type: none"> Base Stations Stratum 3 Small Cell



Part Numbering Guide

SST 75 C 33 S 48 V F - 10.000M



Cage Code: 4GUT4

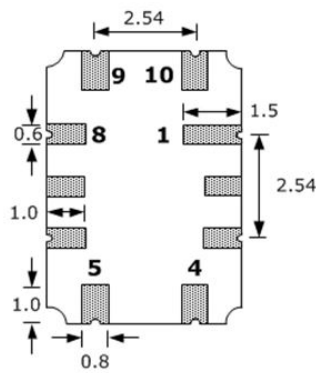
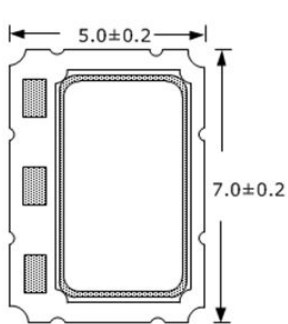
To customize your parameters contact a Suntsu representative.

* Option U is available only for -20°C to +70°C

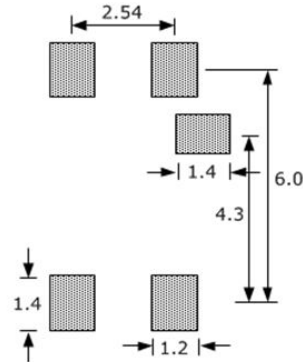
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Range	MHz	5		26	
Frequency Tolerance overall 20 years	ppm	-4.6		+4.6	
Freq. Stability vs. Op Temp.	ppm	-0.28		+0.28	See part numbering guide for options.
Holdover Stability	ppm	-0.37		+0.37	
Operating Temperature	°C	-40		+85	See part numbering guide for options.
Storage Temperature	°C	-55		+125	
Supply Voltage (V _{DD}) - 3.3V Option	V	3.135	3.3	3.465	
Supply Voltage (V _{DD}) - 5.0V Option	V	4.750	5.0	5.250	
Current (I _{DD})	mA			6	
Voltage (VC, VCTCXO) - 3.3V Option	V	0.5		2.5	
Voltage (VC, VCTCXO) - 5.0V Option	V	0.5		2.5	
Pullability (VCTCXO)	ppm	± 5.0		± 8.0	See part numbering guide for options.
Linearity (VCTCXO)	%			10	
Output Load (CMOS)	pF			15	
Output Logic HIGH Level (V _{OH})	V	0.9*V _{DD}			
Output Logic LOW Level (V _{OL})	V			0.1*V _{DD}	
Rise (T _R) And Fall (T _F) Time	ns			5	
Symmetry (Duty Cycle)	%	45	50	55	
Tri-State Input Voltage (Enabled)	V	0.7*V _{DD}			
Tri-State Input Voltage (Disabled)	V			0.3*V _{DD}	
Start-Up Time	ms			10	
VC Input Impedance (VCTCXO)	k Ω	100			
Phase Noise (Typical) 100Hz Offset	dBc/Hz		-120		
Phase Noise (Typical) 1KHz Offset	dBc/Hz		-140		
Phase Noise (Typical) 10KHz Offset	dBc/Hz		-148		

Outline Drawing & Land Pattern

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

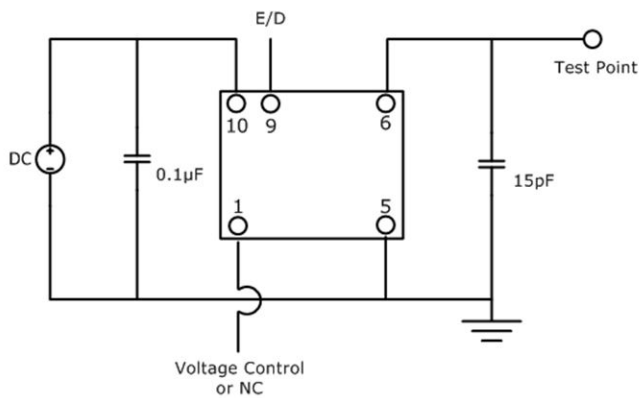


RECOMMENDED LAND PATTERN

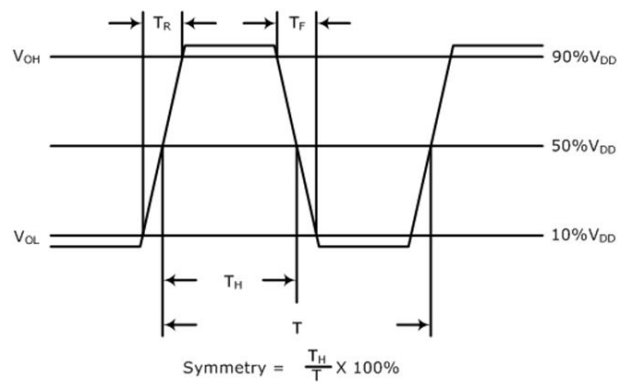


PIN	FUNCTION
1	NC
4	GND
5	OUTPUT
8	TRI-STATE
9	V _{DD}
10	V _C (VCTCXO) or GND (TCXO)

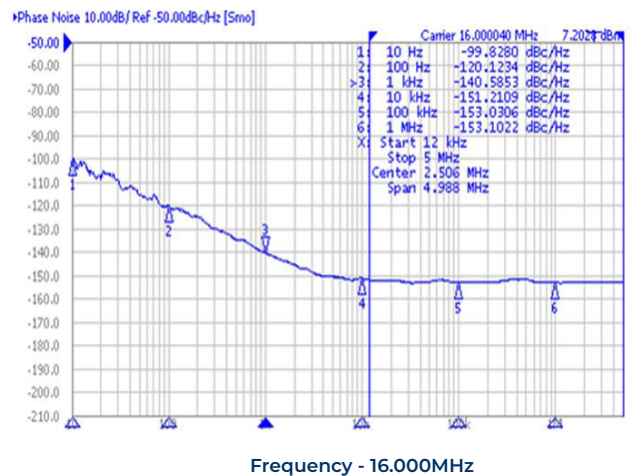
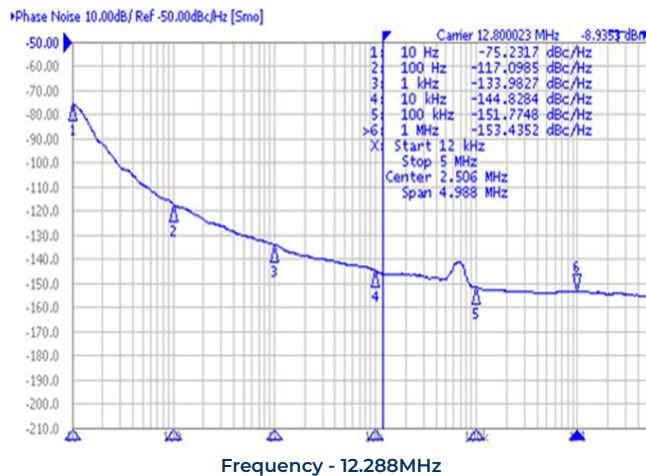
Test Circuit (CMOS)



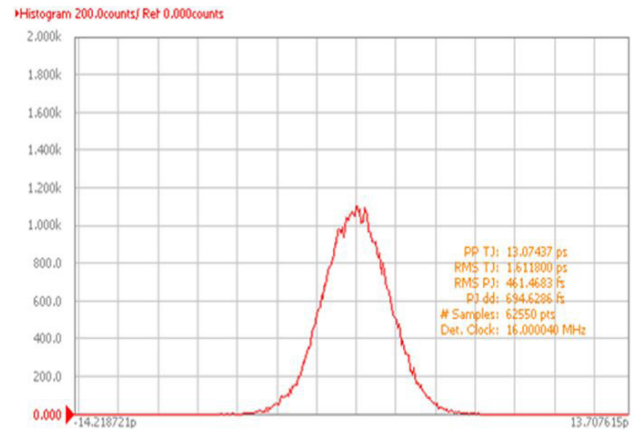
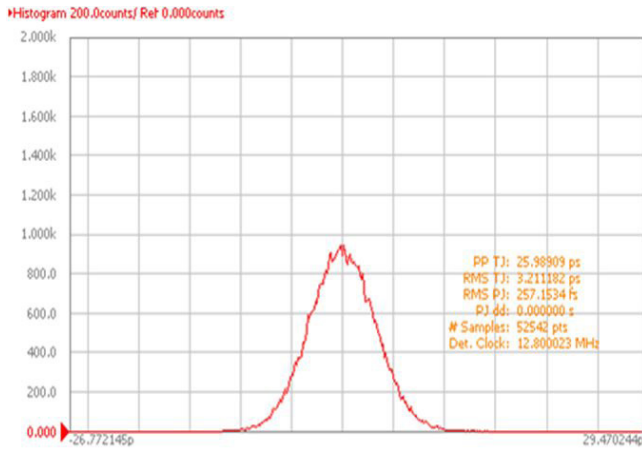
Waveform (CMOS)



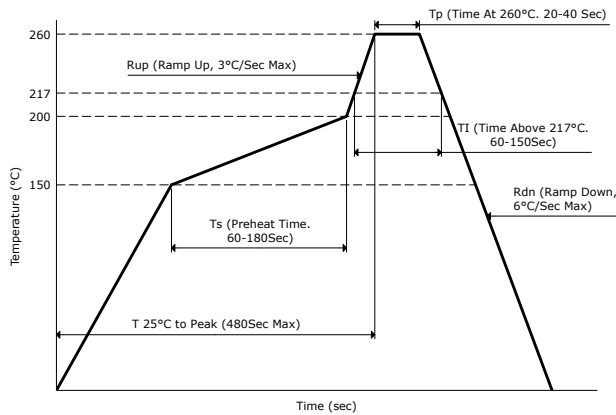
Typical Phase Noise Performance (Measured By Agilent E5052A)



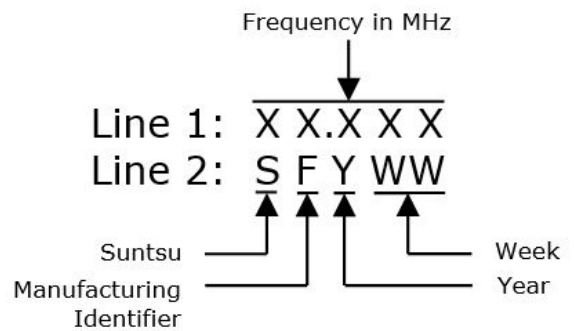
Typical Jitter Performance (Measured By Agilent E5052A)



Reflow Profile



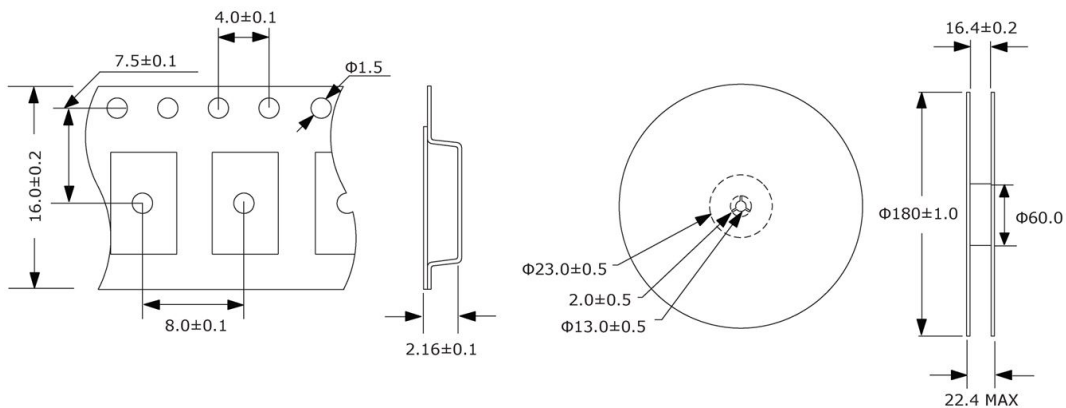
Part Marking



Tape And Reel Dimensions

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

1,000pcs/Reel



Environmental Specifications		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	Moisture Resistance	MIL-STD-883, Method 1004
Solderability	MIL-STD-883, Method 2003	Resistance to Solvents	MIL-STD-202, Method 215
Moisture Sensitivity	J-STD-020, MSL 1	Resistance to Soldering Heat	MIL-STD-202, Method 210, Condition K