

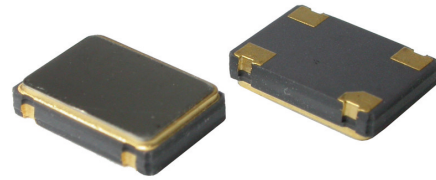
**SXASVT**

**CLIPPED SINE WAVE SURFACE MOUNT VCTCXO**

**FEATURES**

- ▶ Smallest VCTCXO package
- ▶ Tight stability
- ▶ Applications : GPS, Mobile phone, WLAN, ...

1.65 x 1.25 x 0.6 mm



Item	Specification						
Frequency Range	19.2 MHz to 52.0 MHz						
Output Signal	Clipped Sine Wave						
Supply Voltage V <sub>dd</sub> ( see options )	+1.8V ±5%	+2.5V ±5%	+2.8V ±5%	+3.0V ±5%	+3.3V ±5%		
Supply Current I <sub>dd</sub>	≤ 30.0 MHz		1.5 mA max				
	> 30.0 MHz		2.0 mA max				
Frequency Tolerance	±1.5 ppm max. at 25°C ±2°C ( one hour after reflow )						
Frequency Stability vs Temperature ( see options )		±0.5 ppm	±1.0 ppm	±1.5 ppm	±2.0 ppm	±2.5 ppm	±3.0 ppm
	-10° to +60°C	○	○	○	○	○	○
	-20° to +70°C	○	○	○	○	○	○
	-30° to +75°C	○	○	○	○	○	○
	-30° to +85°C	○	○	○	○	○	○
	-40° to +85°C	×	◇	○	○	○	○
	○ = available		◇ = please contact us		×		
				X = not available			
Frequency Stability vs Aging	±1.0 ppm max. per year at 25°C						
Frequency Stability vs Voltage Change	±0.2 ppm max. , for a ±5% input voltage change						
Frequency Stability vs Load Change	±0.2 ppm max. , for a ±10% load condition change						
Output Level	≥1.0V p-p						
Output Load	10 kΩ // 10 pF						
Harmonics of output signal	-5 dBc max.						
Phase noise	-135 dBc/Hz typ. at 1 kHz offset						
Start-up Time	3 ms max.						
Voltage Control Function	<b>Control voltage range</b>	Center voltage: 1/2 V <sub>dd</sub> , range ±1.0V ( ±0.9V for 1.8V version )					
	<b>Frequency pulling range</b>	2.0 mA max					
	<b>Linearity</b>	10 % max					
	<b>Slope polarity</b>	Positive					
Packing Unit	3000pcs / reel						
Soldering Condition	260°C , 10 sec x2 max						
	<b>Customer specifications on request</b>						

\*Need to contact us for the available frequency.

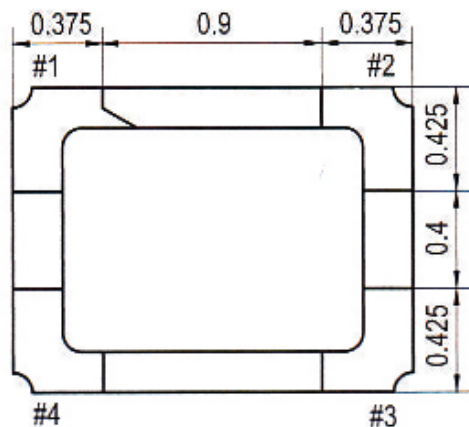
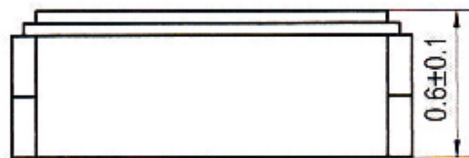
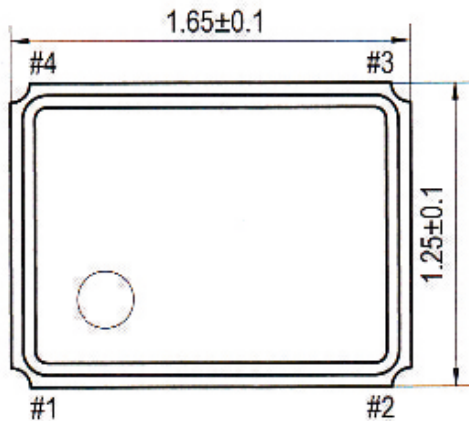
## OPTIONS & ORDERING INFORMATION

SXASVT						MHz	
	Supply Voltage *	Operating Temp. *	Temperature Stability *	Tri-state Function	Package type	Pulling **	Frequency in MHz
	18 = +1.8V	D = -10° / +60°C	0.5 = ±0.5 ppm	F = no Tri-state	4P = 4-pad version	09 = ±9 ppm min.	Please specify the frequency in MHz
	25 = +2.5V	F = -20° / +70°C	1.0 = ±1.0 ppm				
	28 = +2.8V	G = -30° / +75°C	1.5 = ±1.5 ppm				
	30 = +3.0V	H = -30° / +85°C	2.0 = ±2.0 ppm				
	33 = +3.3V	K = -40° / +85°C	2.5 = ±2.5 ppm				
			3.0 = ±3.0 ppm				

\* Note : Not all combinations are possible , please consult us.

\*\* Other pulling range is available on customer specification

## OUTLINE DIMENSIONS (MM)



### Pin Connections

#1 :Control voltage

#2 : GND

#3: Output

#4 :Vdd