

SX7SVTT

CLIPPED SINE WAVE SURFACE MOUNT VCTCXO

FEATURES

7.0 x 5.0 x 1.9 mm



- Miniature package
- High precision for -10° to +70°C , ± 0.05 ppm
- -40° to +85°C , ± 0.20 ppm
- Applications: Femtocell, Base stations, Wireless communications, ...

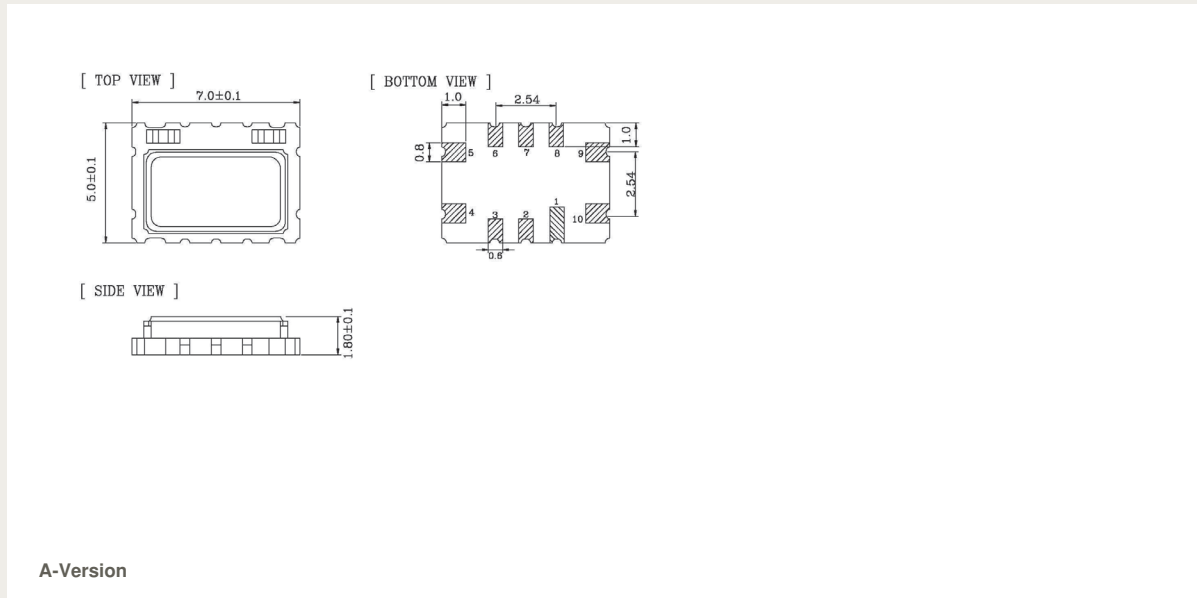
Item	Specification																																								
Frequency Range	5.0 MHz ~ 40.0 MHz																																								
Standard Frequency	10.000 ; 12.800 ; 16.384 ; 19.200 ; 19.440 ; 20.000 ; 25.000 ; 26.000																																								
Output Logic	Clipped Sine Wave																																								
Supply Voltage Vdd (see options)	+3.3 V ±5% +5.0 V ±5%																																								
Supply Current Idd	3.5 mA max.																																								
Frequency Tolerance	±2.0 ppm at 25°C ±2°C (one hour after reflow)																																								
Frequency Stability vs Temperature (see options)	<table border="1"> <thead> <tr> <th></th> <th>±0.05 ppm</th> <th>±0.10 ppm</th> <th>±0.14 ppm</th> <th>±0.20 ppm</th> <th>±0.28 ppm</th> <th>±0.37 ppm</th> <th>±0.5 ppm</th> </tr> </thead> <tbody> <tr> <td>0° to +55°C</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> </tr> <tr> <td>-10° to +60°C</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> </tr> <tr> <td>-10° to +70°C</td> <td>◇</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> </tr> <tr> <td>-40° to +85°C</td> <td>x</td> <td>x</td> <td>x</td> <td>o</td> <td>o</td> <td>o</td> <td>o</td> </tr> </tbody> </table> <p>o = available ◇ = please contact us x = not available</p>		±0.05 ppm	±0.10 ppm	±0.14 ppm	±0.20 ppm	±0.28 ppm	±0.37 ppm	±0.5 ppm	0° to +55°C	o	o	o	o	o	o	o	-10° to +60°C	o	o	o	o	o	o	o	-10° to +70°C	◇	o	o	o	o	o	o	-40° to +85°C	x	x	x	o	o	o	o
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Frequency Stability vs Aging	±1.0 ppm max. per year at 25°C																																								
Frequency Stability vs Voltage Change	±0.05 ppm max., for a ±5% input voltage change																																								
Frequency Stability vs Load Change	±0.05 ppm max., for a ±10% load condition change																																								
Output Level	≥0.8 V p-p																																								
Output Load	10 kΩ // 10 pF																																								
Start-up Time	2.0 ms max.																																								
Tri-state function (Only possible for A-version package)	<table border="1"> <tr> <td>pin #8 = high or open</td> <td>pin#5 ==> oscillation</td> </tr> <tr> <td>pin #8 = low</td> <td>pin#5 ==> high impedance</td> </tr> </table>	pin #8 = high or open	pin#5 ==> oscillation	pin #8 = low	pin#5 ==> high impedance																																				
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Packing Unit	1000 pcs / reel																																								
Soldering Condition	260°C, 10 sec x2 max																																								

OPTIONS & ORDERING INFORMATION

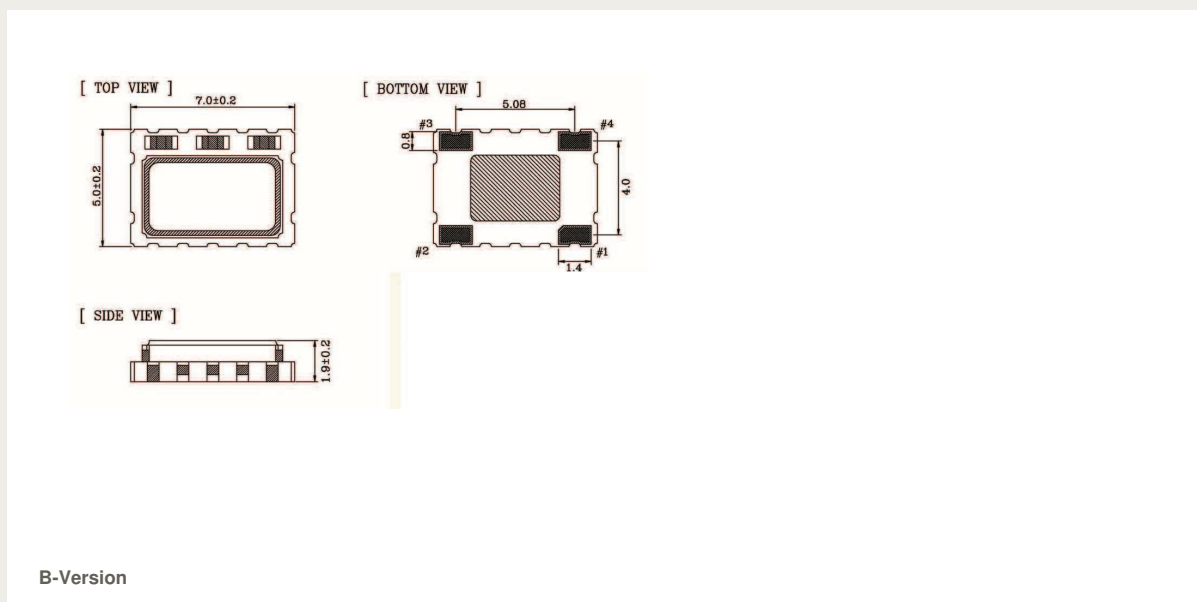
SX7SVTT MHz
Supply Voltage	Operating Temp. *	Temperature Stability *	Tri-state Function *	Package type	Pulling	Frequency in MHz	
33 = +3.3V	C = 0° / +55°C	0.05 = ±0.05 ppm	E8 = Tri-state, pin #8	A = A-version	05 = ±5 ppm min.	Please specify the frequency in MHz	
50 = +5.0V	D = -10° / +60°C	0.10 = ±0.10 ppm	F = No Tri-state	B = B-version			
	F = -10° / +70°C	0.14 = ±0.14 ppm					
	K = -40° / +85°C	0.20 = ±0.20 ppm					
		0.28 = ±0.28 ppm					
		0.37 = ±0.37 ppm					
		0.50 = ±0.50 ppm					

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

OUTLINE DIMENSIONS



Pin Connections	#1 : NC	#2 : NC	#3 : NC	#4 : GND	#5 : Output
	#6 : NC	#7 : NC	#8 : E/D	#9 : Vdd	#10 : GND



Pin Connections	#1 : GND	#2 : GND	#3 : Output	#4 : Vdd
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