

SX7CVTR HCMOS SURFACE MOUNT VCTCXO

FEATURES

7.0 x 5.0 x 2.0 mm



- Miniature package
- Stratum III compliant over -40° to +85°C up to 26 MHz
- Two package versions available
- Applications : Stratum 3, Base Stations

Item	Specification
Frequency Range	5.0 MHz to 26.0 MHz
Standard Frequency	8.192 ; 10.0 ; 12.8 ; 16.384 ; 19.2 ; 19.44 ; 20.0 ; 25.0 ; 26.0 MHz
Output Logic	CMOS
Supply Voltage Vdd (see options)	+3.3 V ±5% +5.0 V ±5%
Supply Current Idd	6.0 mA max.
Frequency Stability Overall Stability *	±4.6 ppm max. over 20 years
Frequency Stability vs Temperature	±0.28 ppm max.
Frequency Stability vs Aging	±3.0 ppm max. over 15 years
Frequency Stability vs Voltage Change	±0.01 ppm max. , for a ±5% input voltage change
Frequency Stability Holdover Stability *2	±0.37 ppm max.
Operating Temperature Range (see options)	-20° to +70 °C -40° to +85 °C
Output Level	VOH ≥ 0.9 Vdd VOL ≤ 0.1 Vdd
Output Load	15 pF
Symmetry	45 / 55%
Start-up Time	2.0 ms max.
Tri-state function (Only possible for A-version package)	pin #8 = high or open pin #5 ==> oscillation pin #8 = low pin #5 ==> high impedance
Voltage Control Function	Control Voltage Range Center voltage +1.5 V, range ±1.0V Frequency Pulling Range ±5 ppm min. Linearity 10 % max. Slope Polarity Positive Input Impedance 100 kΩ min.
Packing Unit	1000 pcs / reel
Soldering Condition	260 °C, 10 sec x2 max

(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change, 20 years aging

(*2) Includes 24hours aging, stability vs supply change and stability over operating temperature

OPTIONS & ORDERING INFORMATION

SX7CVTR

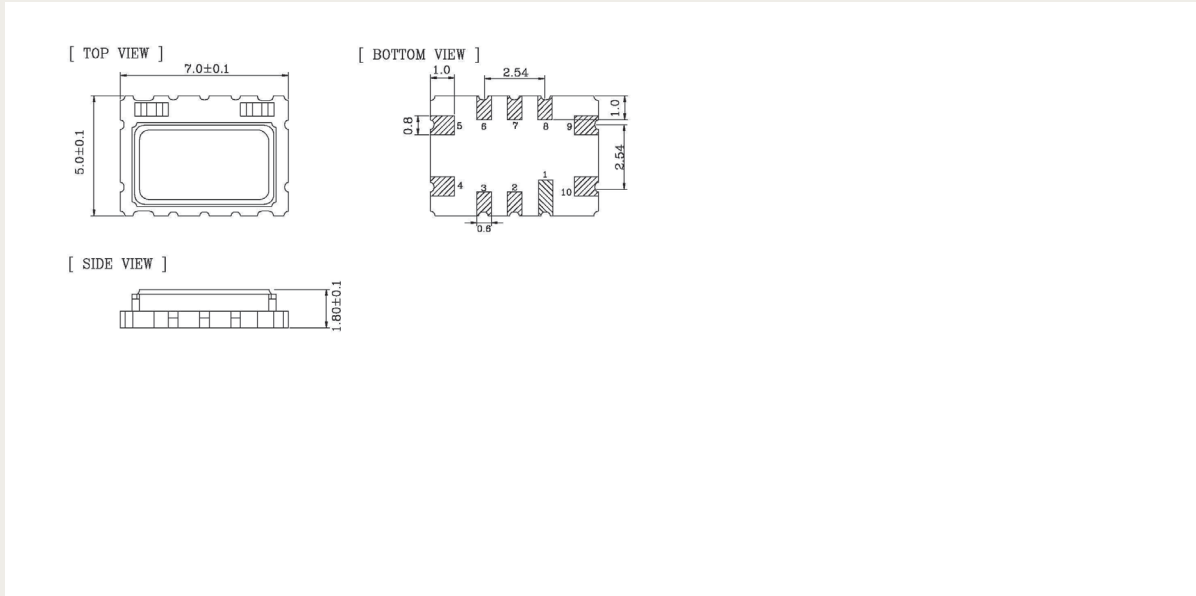
Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function *2	Package type	Pulling	Frequency in MHz
33 = +3.3V 50 = +5.0V	F = -20° / +70 °C K = -40° / +85 °C	4.6T = ±4.6 ppm	E8 = Tri-state at pin #8 F = No Tri-state	A = A - version B = B - version	05 = ±5 ppm min.	Please specify the frequency in MHz

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

(*2) : Tri-state only possible with A-version package

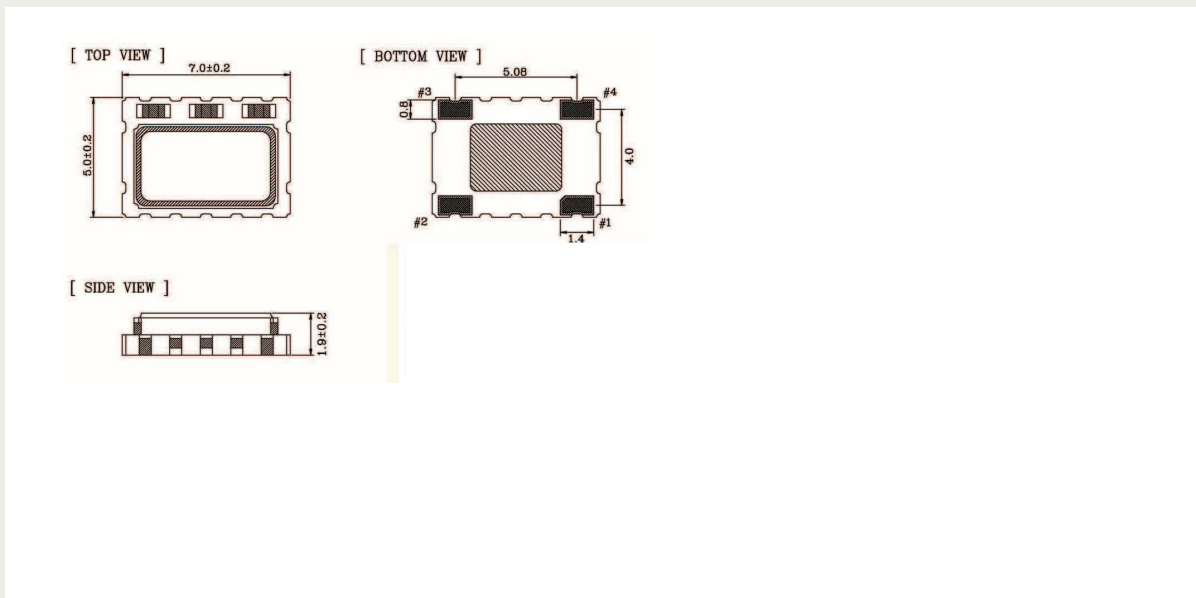
OUTLINE DIMENSIONS

A - VERSION



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

B - VERSION



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