

## Datasheet

### SX7SR

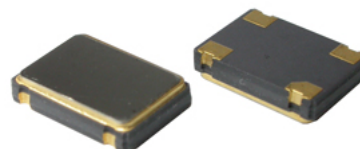
### TRUE SINE WAVE

### SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

## FEATURES

- Miniature package
- High purity and low total harmonic distortion.
- Applications : Audio modulation

7.0 x 5.0 x 1.8 mm



Item	Specification		
Frequency Range	10.0 MHz ~ 52.0 MHz		
Output Signal	True Sine Wave		
Overall Frequency Stability *	± 20 ppm ~ ± 100 ppm ( see options )		
Operating Temperature Range	0 ~ +70°C commercial application ( see options ) -40 ~ +85°C industrial application ( see options )		
Supply Voltage Vdd	+2.8V ±5%	+3.3V ±5%	+5.0V ±5%
Supply Current Idd	1.0 mA	1.2 mA	1.5 mA
Output Level	1.0V p-p typical		
Output Load	10 kOhm // 10pF		
Harmonics	<-25 dBc ( frequency dependent )		
Sub-Harmonics	None		
Tri-state function	No Tri-state option		
Start-up Time	2 ms typ.		
Packing Unit	1000pcs / reel		
Soldering Condition	260°C , 10 sec x2 max		

**Customer specifications on request**

( \* ) Includes initial tolerance @+25°C , stability over operating temperature , stability vs. load change , stability vs. supply change and one year aging

## OPTIONS & ORDERING INFORMATION

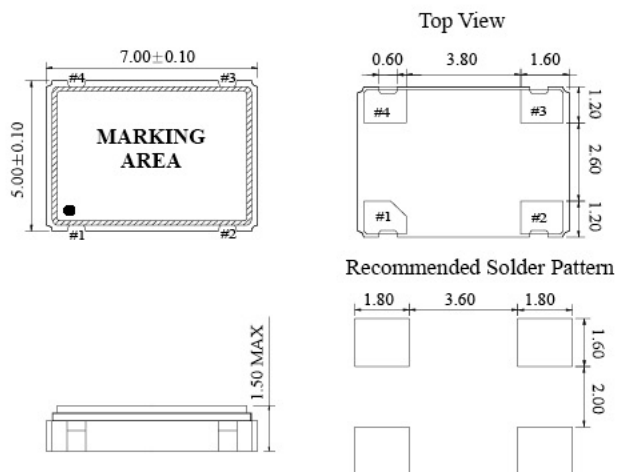
### SX7SR

.....	.....	.....	.....	..... MHz
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Frequency in MHz
<b>28</b> = +2.8V	<b>E</b> = 0° / +70°C	<b>20</b> = ±20 ppm	<b>F</b> = no Tri-state	Please specify the frequency in Mhz <sup>1</sup>
<b>33</b> = +3.3V	<b>F</b> = -20°C / +70°C	<b>25</b> = ±25 ppm		
<b>50</b> = +5.0V	<b>K</b> = -40°C / +85°C	<b>30</b> = ±30 ppm		
□	□	<b>50</b> = ±50 ppm		
□	□	<b>100</b> = ±100 ppm		

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

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## OUTLINE DIMENSIONS



#### Pin Connections

#1 : NC

#2 : GND

#3: Output

#4 : Vdd