Frequency Technology Fred

# SX7SR TRUE SINE WAVE

## SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

#### **FEATURES**

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





Item	Specification				
Frequency Range	10.0 MHz ~ 30.0 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 typicial				
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				

<sup>(\*)</sup> 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	F = no Tri-state	Please specify the frequency		
	<b>33</b> = +3.3V	<b>F</b> = -20 ° C / +70 ° C	<b>25</b> = ±25 ppm		in Mhz		
	<b>50</b> = +5.0V	$K = -40 ^{\circ}\text{C} / +85 ^{\circ}\text{C}$	<b>30</b> = ±30 ppm				
			<b>50</b> = ±50 ppm				
			<b>100</b> = ±100 ppm				
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 $<sup>(\</sup>mbox{\ensuremath{^{'}}}\xspace)$  Note : Not all combinations are possible , please consult us.

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## **OUTLINE DIMENSIONS**

