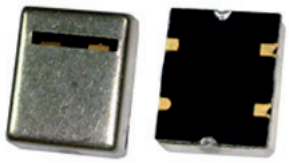
SP5SR TRUE SINE WAVE SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- PCB based package with metal lid
- High purity and low total harmonic distortion.
- Applications : Audio modulation

11.4 x 9.6 x 2.5 mm



Item	Specification		
Frequency Range	10.0 MHz ~ 30.0 MHz		
Output Logic	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		

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

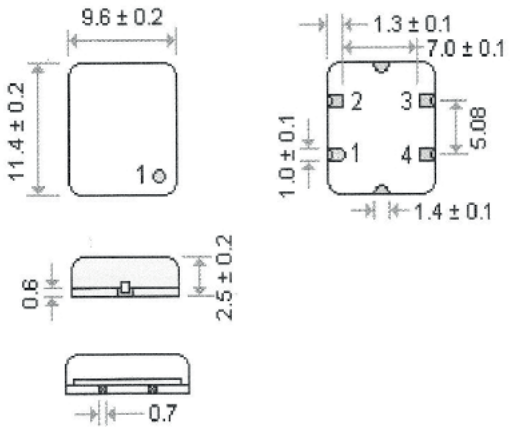
OPTIONS & ORDERING INFORMATION

SP5SR .... - ..... MHz

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

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

OUTLINE DIMENSIONS



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