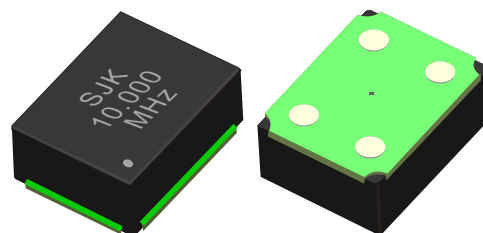


<b>SMD Type</b> <b>1X</b> [ 9.7×7.5×4.10 mm ]	<b>Waveform</b> <b>Rectangular Clipped Sine</b>	<b>Stratum 3</b> <b>±4.6 ppm</b>	<b>Best Stability</b> <b>±5 ppb</b>	<b>Voltage Control</b>	<b>Supply Voltage</b> <b>3.3V / 5.0V</b>	<b>Frequency Range</b> <b>10 MHz~40 MHz</b>
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## Features

- Oven Controlled Crystal Oscillator (OCXO)
- Dimension 9.7×7.5×4.1 mm, miniaturize 4-pad SMD package
- Frequency range from 10MHz to 40MHz.
- ±20ppb stability over -40°C to +85°C.
- Stratum 3 (Overall ±4.6ppm including 10 years aging.)
- Voltage control (Electronic frequency tuning) is available.
- RoHS Compliant
- Applications: smart cell, digital switch, telecommunication device, synthesizer, test and instrumentation, etc.



## Standard Specifications

1X (SMD 9.7×7.5×4.10 OCXOs)						
Parameter		Min.	Typ.	Max.	Unit	Test Condition
<b>Output Frequency</b>		10	-	40	MHZ	Standard frequencies are 10, 12.8, 19.2, 20, 25, 30.72MHz and more.
Wave Form		-	Rectangular Clipped Sine	-	-	Please contact us for detail information
Level		-	-	-	-	
"1" Level	Rectangular	2.4	-	-	V	
"0" Level		-	-	0.4		
Duty Cycle		45	50	55		%
Clipped Sine		0.8	-	-	Vp-p	
Load (Rectangular/Clipped Sine)		15pF / 10KΩ//10pF				
Spurious		-	-	-60	dBc	
<b>Frequency stability Tolerance</b>		-20	-	+20	ppb	
vs. Temperature		±5ppb~±50			ppb	
vs. Supply voltage		-5	-	+5	ppb	±5% Change
vs. Load		-20	-	+20	ppb	
vs. Warm-up		-0.1	-	+0.1	°C	In 5 minutes @ 25°C, reference to 1 hour
vs. Aging		-	-	-	°C	
Daily		-3.0	-	+3.0	ppb	After 30 days continues operation
Yearly		-0.6	-	+0.6	ppm	
10 Years		-3.0	-	+3.0		

**SMD Type**  
**1X**  
[ 9.7×7.5×4.10 mm ]

Waveform  
**Rectangular Clipped Sine**

Stratum 3  
**±4.6 ppm**

Best Stability  
**±5 ppb**

**Voltage Control**

Supply Voltage  
**3.3V / 5.0V**

Frequency Range  
**10 MHz~40 MHz**

## Standard Specifications

**1X** (SMD 9.7×7.5×4.10 OCXOs)

Parameter	Min.	Typ.	Max.	Unit	Test Condition	
Phase noise @ 20MHz	-	-98	-92	dBc/Hz	@ 10Hz	
	-	-126	-120		@ 100Hz	
	-	-145	-140		@ 1KHz	
	-	-152	-150		@ 10KHz	
<b>Electrical Frequency Adjustment</b>	-	-	-			
Range	-	-	-5	ppm	VCO@0 V	
	5	-	-		VCO@ 3.3V	
Control	0	1.65/2.5	3.3V/5.0V	3.3V/5.0V	3.3V or 5.0V supply voltage	
Slope	-	Positive	-	-		
Input impedance	100	-	-	KΩ		
<b>Input Power</b>	Voltage	3.135	3.3	3.465	V	5.0V input voltage is available
	Current	-	-	-350	mA	@ turn on
	Steady State	-	0.3	0.4	W	@ ±25°C
<b>Operating Temperature</b>	-40	-	+85	°C		
<b>Storage Temperature</b>	-40	-	-85	°C		

## Dimensions And Pin-functions (Unit: mm)

