

DIP Type

3X

[20.6×20.6×11.0 mm]

Waveform

Rectangular

Best Stability

±5 ppb

Voltage Control

Supply Voltage

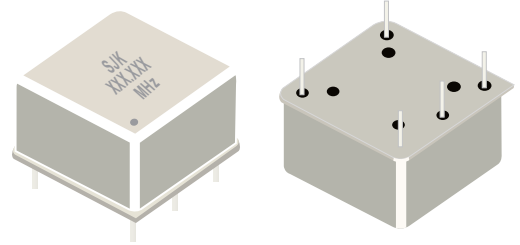
3.3V / 5.0V

Frequency Range

5 MHz~40 MHz

Features

- Oven Controlled Crystal Oscillator (OCXO)
- Dimension 20.6×20.6×11.0 mm, thru-hole DIP package
- Frequency range from 5MHz to 40MHz.
- ±20ppb stability over -20°C to +70°C.
- All metal welded package. SC-cut crystal
- Voltage control (Electronic frequency tuning) is available.
- RoHS Compliant
- Applications: SDH/SONET, Base station, Digital switch, Test equipment, Synthesizer, Measuring equipment, etc.



Standard Specifications

3X (Thru-hole 20.6×20.6×11.0 OCXOs)

Parameter	Min.	Typ.	Max.	Unit	Test Condition
Output Frequency	5	-	40	MHZ	Standard frequencies are 10, 12.8, 19.2, 20, 25, 30.72MHz and more.
Wave Form	-	Rectangular	-	-	Please contact us for detail information
Level	-	HCMOS	-	-	
"1" Level	1.65V+1V 2.5V+1V	-	-	V	
"0" Level	-	-	1.65V-1V 2.5V-1V		
Duty Cycle	45	50	55		
Load	15pF				
Spurious	-	-	-60	dBc	
Frequency stability Tolerance	-10	-	+10	ppb	
vs. Temperature	±5ppb~±20			ppb	
vs. Supply voltage	-0.5	-	+0.5	ppb	±5% Change
vs. Load	-20	-	+20	ppb	
vs. Warm-up	-50	-	+50	ppb	In 3 minutes @ 25°C, reference to 1 hour
vs. Aging	-	-	-	-	
Daily	-0.5	-	+0.5	ppb	After 30 days continues operation
Yearly	-50	-	+50	ppb	
10 Years	-0.3	-	+0.3	ppm	



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Supply Voltage

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Frequency Range

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Standard Specifications

1X (SMD 9.7×7.5×4.10 OCXOs)

Parameter	Min.	Typ.	Max.	Unit	Test Condition		
Phase noise	-	-	-115	dBc/Hz	@ 10Hz		
	-	-	-135		@ 100Hz		
	-	-	-145		@ 1KHz		
	-	-	-150		@ 10KHz		
Electrical Frequency Adjustment	-	-	-				
Range	-	-	-0.5	ppm	VCO@0 V		
	0.5	-	-		VCO@ 5.0V		
Control	0	1.4 / 2.0	2.8 / 4.0	V	3.3V or 5.0V supply voltage		
Slope	-	Positive	-	-			
Input impedance	100	-	-	KΩ			
Input Power	Voltage	4.75	5.0	5.25	V	3.3V input voltage is available	
		Current	-	-	500	mA	@ turn on
		Steady State	-	-	1.0	W	@ ±25°C
Operating Temperature	-40	-	+85	°C			
Storage Temperature	-40	-	-85	°C			

Dimensions And Pin-functions (Unit: mm)

Top View

Side View

Bottom View

Pin Connections

Pin No.	Connection
1	Vco input or NC
2	Reference Voltage or NC
3	0 Volts & Case
4	R.F. Output
5	Vcc

Pin Connections

Pin No.	Connection
1	Vcc
2	R.F. Output
3	VCO Input / NC /R.F. Enable
4	0 Volts & Case
5	Reference Voltage / NC / Oven Monitor