

TCXO (Temperature-Compensated Crystal Oscillator)

Surface Mount Type

9T

[14.5×9.60×6.50 mm]

TCXO

Output

LVC MOS

Initial Tolerance

±1 ppm

Supply Voltage

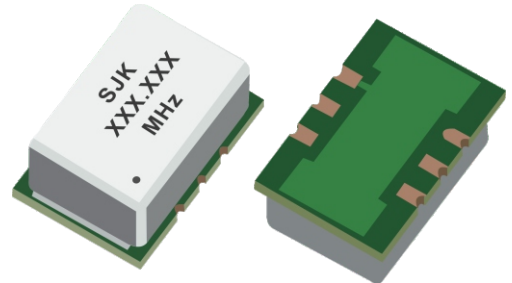
3.3V

Frequency Range

40 MHz~125 MHz

Features

- Small SMD package 14.5×9.6×6.5 mm, metal cover
- Temperature Compensated Crystal Oscillators (TCXO)
- Low phase noise: -141dBc/Hz @ 1KHz
- High stability for stratum 3
- Operating voltage: 3.3V
- RoHS Compliant
- Frequency range from 40MHz to 125MHz
- Applications: Time synchronization, Microwave communication, Test & measurement, Telecom system, Satellite communications, etc.



Standard Specifications

Item / Type	9T Series TCXOs	
Dimensions	14.5×9.6×6.5 mm	
Output level	LVC MOS	
Output load	15pF	
Output frequency range	40 MHz ~ 125 MHz	
Supply voltage	3.3V/5.0V	
Frequency stability	Tolerance	±1 ppm max.
	Temperature	±4.6 ppm max.
	Supply voltage	±1 ppm max.
	Load coefficient	±1 ppm max.
Operating temperature	-40~+85°C, or specify	
Supply consumption	35 mA max.	
Output level	Output high	90%Vdd min.
	Output low	10%Vdd max.
	Duty cycle	45~55%
Rise / Fall time	3ns max.	
Phase noise	@10Hz	-87dBc/Hz max.
	@1KHz	-141dBc/Hz max.
	@100KHz	-155dBc/Hz max.

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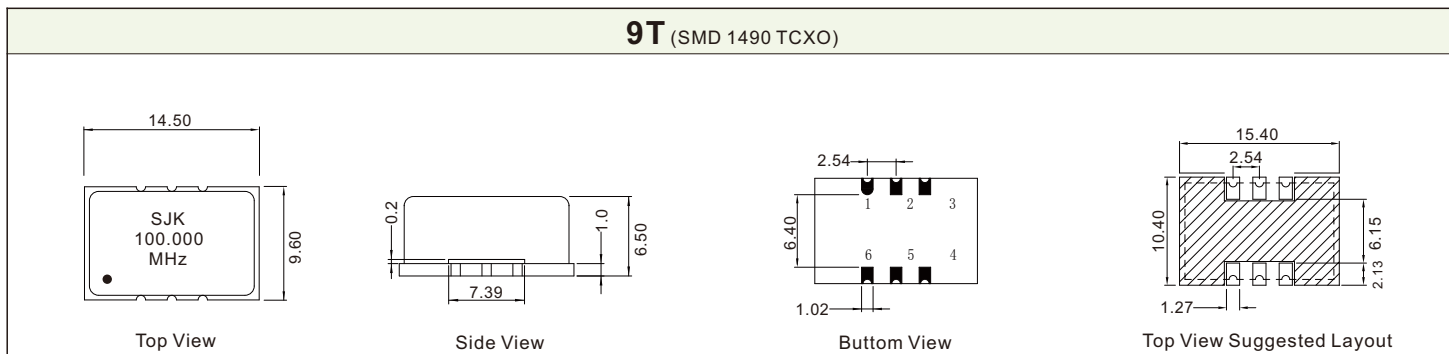
Supply Voltage

3.3V /5.0V

Frequency Range

40 MHz~125 MHz

Outline Dimensions (Unit: mm)



Pin Map

Pin	Connection	Function
1	NC /Vcon	No connect / Vcon
2	NC /Tri-state	No connect /Tri-state function
3	GND	Vcc power supply ground
4	Output	Oscillator output
5	NC	No connect
6	Vcc	Power supply voltage