

TCXO (Temperature-Compensated Crystal Oscillator)

Surface Mount Type

NVT1490

[14.5×9.60×6.50 mm]

TCXO

Output

LVC MOS

Initial Tolerance

±1 ppm

Supply Voltage

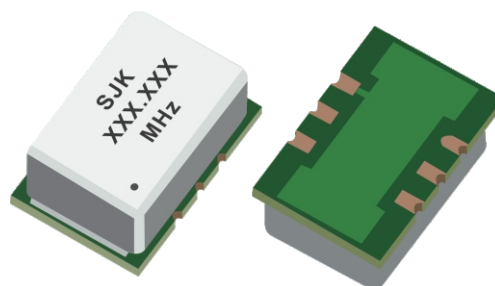
3.3V

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		NVT1490 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%V _{dd} min.
	Output low	10%V _{dd} max.
	Duty cycle	45~55%
Rise / Fall time		3ns max.
Phase noise	@10Hz	-87dBc/Hz max.
	@1KHz	-141dBc/Hz max.
	@100KHz	-155dBc/Hz max.

TCXO (Temperature-Compensated Crystal Oscillator)

Surface Mount Type

NVT1510

[14.5×9.60×6.50 mm]

TCXO

Output

LVC MOS

Initial Tolerance

±1 ppm

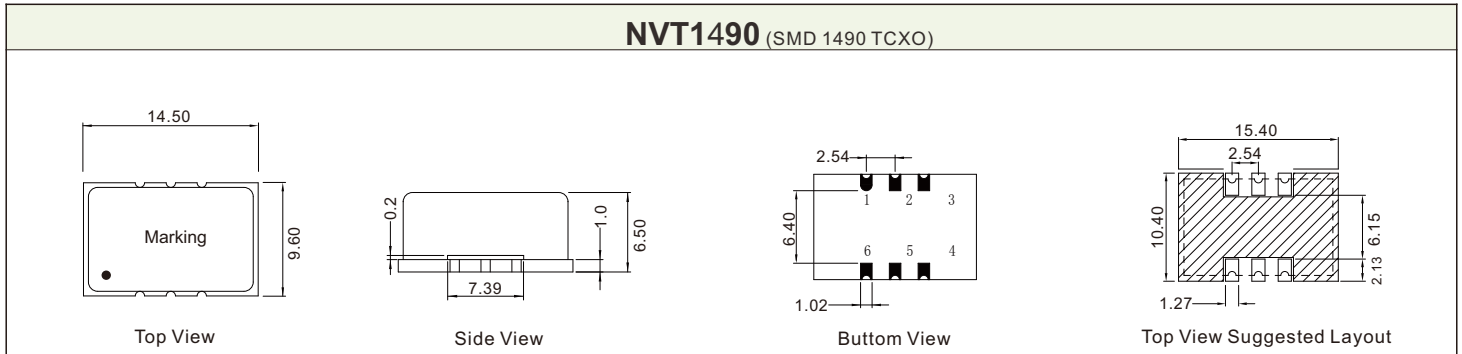
Supply Voltage

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