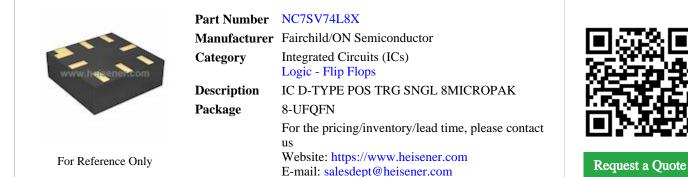


# NC7SV74L8X

#### NC7SV74L8X Information



## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



# NC7SV74L8X Specifications

Manufacturer Part NumberNC7SV74L8XManufacturerFairchild/ON SemiconductorCategoryIntegrated Circuits (ICs)CategoryLogic - Flip FlopsPackage8-UFQFNSeriesSet/QEFNSeriesSet/Pacet and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock FrequencySet/Si Su		
CategoryIntegrated Circuits (ICs)CategoryLogic - Flip FlopsPackageSeUFQFNSeriesSVFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency200MHzMax Propagation Delay @ V, Max CLSens @ 3.3V, 30pFCurrent - Output High, Low0.9V ~ 3.6 VVoltage - Supply0.9U ~ 3.6 VCurrent Quiescent (Iq)900µAInput Capacitance2pFOperating TypeSens @ StrC(TA)Mounting TypeSurface Mount	Manufacturer Part Number	NC7SV74L8X
Logic - Flip FlopsPackage8-UFQFNSeries7SVFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element200MHzClock Frequency200MHzMax Propagation Delay @V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low900µAVoltage - Supply0.9 V ~ 3.6 VInput Capacitance2pFOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface Mount	Manufacturer	Fairchild/ON Semiconductor
Package8-UFQFNSeries7SVFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency200MHzMax Propagation Delay @V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VInput Capacitance2pFOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface Mount	Category	Integrated Circuits (ICs)
Series7SVFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency200MHzMax Propagation Delay @ V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VInput Capacitance200µAInput Capacitance2.9FOperating TemperatureSurface MountMounting TypeSurface Mount		Logic - Flip Flops
FunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element200MHzClock Frequency200MHzMax Propagation Delay @ V, Max CLSass @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9V ~ 3.6 VFurger Current - Quiescent (Iq)200µAHupt Capacitance2pFOperating Type40°C ~ 85°C (TA)Mounting TypeSurface Mount	Package	8-UFQFN
TypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency200MHzMax Propagation Delay @ V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface Mount	Series	7SV
Output TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency200MHzMax Propagation Delay @ V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Function	Set(Preset) and Reset
Number of Elements1Number of Bits per Element1Clock Frequency200MHzMax Propagation Delay @ V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Туре	D-Type
Number of Bits per Element1Number of Bits per Element200MHzClock Frequency2.8ns @ 3.3V, 30pFMax Propagation Delay @ V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Output Type	Differential
Clock Frequency   200MHz     Max Propagation Delay @ V, Max CL   2.8ns @ 3.3V, 30pF     Trigger Type   Positive Edge     Current - Output High, Low   24mA, 24mA     Voltage - Supply   0.9 V ~ 3.6 V     Current - Quiescent (Iq)   900µA     Input Capacitance   2pF     Operating Temperature   -40°C ~ 85°C (TA)     Mounting Type   Surface Mount	Number of Elements	1
Max Propagation Delay @ V, Max CL2.8ns @ 3.3V, 30pFTrigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Number of Bits per Element	1
Trigger TypePositive EdgeCurrent - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Clock Frequency	200MHz
Current - Output High, Low24mA, 24mAVoltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Max Propagation Delay @ V, Max CL	2.8ns @ 3.3V, 30pF
Voltage - Supply0.9 V ~ 3.6 VCurrent - Quiescent (Iq)900µAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Trigger Type	Positive Edge
Current - Quiescent (Iq)900μAInput Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Current - Output High, Low	24mA, 24mA
Input Capacitance2pFOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Voltage - Supply	0.9 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface Mount	Current - Quiescent (Iq)	900µА
Mounting Type Surface Mount	Input Capacitance	2pF
	Operating Temperature	-40°C ~ 85°C (TA)
Package / Case 8-UFQFN	Mounting Type	Surface Mount
	Package / Case	8-UFQFN
Report error		Report errors?

#### NC7SV74L8X Guarantees



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## NC7SV74L8X Payment Methods





If you have any question about NC7SV74L8X, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com