



### 74VHC14PW,118 Information



For Reference Only

Part Number 74VHC14PW,118

Manufacturer Nexperia USA Inc.

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC SCHMITT TRIG HEX INV 14TSSOP **Package** 14-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## 74VHC14PW,118 Specifications

Manufacturer Part Number       74VHC14PW,118         Manufacturer       Nexperia USA Inc.         Category       Integrated Circuits (ICs)         Logic - Gates and Inverters         Package       14-TSSOP (0.173", 4.40mm Width)         Series       74VHC         Logic Type       Inverter         Number of Circuits       6         Number of Inputs       6         Features       Schmitt Trigger         Voltage - Supply       2 V ~ 5.5 V         Current - Quiescent (Max)       2μA         Current - Output High, Low       8mA, 8mA         Logic Level - Low       0.9 V ~ 1.65 V         Logic Level - High       2.2 V ~ 3.85 V         Max Propagation Delay @ V, Max CL       10.6ns @ 5V, 50pF         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount         Supplier Device Package       14-TSSOP         Package / Case       14-TSSOP (0.173", 4.40mm Width)		
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Logic - Gates and InvertersPackage14-TSSOP (0.173", 4.40mm Width)Series74VHCLogic TypeInverterNumber of Circuits6Number of Inputs6FeaturesSchmitt TriggerVoltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2 $\mu$ ACurrent - Output High, Low8mA, 8mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.2 V ~ 3.85 VMax Propagation Delay @ V, Max CL10.6ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)	Manufacturer	Nexperia USA Inc.
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Series $74\text{VHC}$ Logic TypeInverterNumber of Circuits6Number of Inputs6FeaturesSchmitt TriggerVoltage - Supply $2\text{ V} \sim 5.5\text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low8mA, 8mALogic Level - Low $0.9\text{ V} \sim 1.65\text{ V}$ Logic Level - High $2.2\text{ V} \sim 3.85\text{ V}$ Max Propagation Delay @ V, Max CL $10.6\text{ns}$ @ 5V, 50pFOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$ Package / Case $14\text{-TSSOP}$ (0.173", 4.40mm Width)		Logic - Gates and Inverters
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Number of Inputs6FeaturesSchmitt TriggerVoltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.2 V ~ 3.85 VMax Propagation Delay @ V, Max CL10.6ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)	Logic Type	Inverter
FeaturesSchmitt TriggerVoltage - Supply $2 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $8\text{mA}$ , $8\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.2 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $10.6\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$ Package / Case $14\text{-TSSOP}$ (0.173", 4.40mm Width)	Number of Circuits	6
$\begin{tabular}{llll} Voltage - Supply & 2 \ V \sim 5.5 \ V \\ Current - Quiescent (Max) & 2 \mu A \\ Current - Output High, Low & 8mA, 8mA \\ Logic Level - Low & 0.9 \ V \sim 1.65 \ V \\ Logic Level - High & 2.2 \ V \sim 3.85 \ V \\ Max Propagation Delay @ V, Max CL & 10.6ns @ 5V, 50pF \\ Operating Temperature & -40 ^{\circ}C \sim 125 ^{\circ}C \\ Mounting Type & Surface Mount \\ Supplier Device Package & 14-TSSOP \\ Package / Case & 14-TSSOP (0.173", 4.40mm Width) \\ \end{tabular}$	Number of Inputs	6
Current - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.2 V ~ 3.85 VMax Propagation Delay @ V, Max CL10.6ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)	Features	Schmitt Trigger
Current - Output High, Low  8mA, 8mA  Logic Level - Low  0.9 V ~ 1.65 V  Logic Level - High  2.2 V ~ 3.85 V  Max Propagation Delay @ V, Max CL  10.6ns @ 5V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-TSSOP  Package / Case  14-TSSOP (0.173", 4.40mm Width)	Voltage - Supply	2 V ~ 5.5 V
Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.2 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $10.6 \text{ns} \otimes 5 \text{ V}$ , $50 \text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$ Package / Case $14\text{-TSSOP} (0.173", 4.40 \text{mm Width})$	Current - Quiescent (Max)	2μΑ
Logic Level - High2.2 V ~ 3.85 VMax Propagation Delay @ V, Max CL10.6ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)	Current - Output High, Low	8mA, 8mA
Max Propagation Delay @ V, Max CL  10.6ns @ 5V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-TSSOP  Package / Case  14-TSSOP (0.173", 4.40mm Width)	Logic Level - Low	0.9 V ~ 1.65 V
Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-TSSOP  Package / Case  14-TSSOP (0.173", 4.40mm Width)	Logic Level - High	2.2 V ~ 3.85 V
Mounting Type Surface Mount Supplier Device Package 14-TSSOP Package / Case 14-TSSOP (0.173", 4.40mm Width)	Max Propagation Delay @ V, Max CL	10.6ns @ 5V, 50pF
Supplier Device Package 14-TSSOP Package / Case 14-TSSOP (0.173", 4.40mm Width)	Operating Temperature	-40°C ~ 125°C
Package / Case 14-TSSOP (0.173", 4.40mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	14-TSSOP
	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Report errors?		Report errors?

### 74VHC14PW,118 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## 74VHC14PW,118 Payment Methods



















### 74VHC14PW,118 Shipping Methods













If you have any question about 74VHC14PW,118, please do not hesitate to contact us!

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