



# 74HC4002DB,118 Information



For Reference Only

Part Number 74HC4002DB,118

Manufacturer Nexperia USA Inc.

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description**IC GATE NOR 2CH 4-INP 14-SSOP**Package**14-SSOP (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

### **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.









# 74HC4002DB,118 Specifications

Manufacturer Part Number $74HC4002DB,118$ ManufacturerNexperia USA Inc.CategoryIntegrated Circuits (ICs)Logic - Gates and InvertersPackage $14\text{-SSOP}$ ( $0.209^{\circ\prime\prime}$ , $5.30\text{mm}$ Width)Series $74HC$ Logic TypeNOR GateNumber of Circuits $2$ Number of Inputs $4$ Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $5.2\text{mA}$ , $5.2\text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17\text{ns}$ @ 6V, $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$		
	Manufacturer Part Number	74HC4002DB,118
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} & 14\text{-SSOP } (0.209\text{"}, 5.30\text{mm Width}) \\ \text{Series} & 74\text{HC} \\ \text{Logic Type} & \text{NOR Gate} \\ \text{Number of Circuits} & 2 \\ \text{Number of Inputs} & 4 \\ \text{Features} & - \\ \text{Voltage - Supply} & 2 \text{ V} \sim 6 \text{ V} \\ \text{Current - Quiescent } (\text{Max}) & 2 \\ \text{Current - Output High, Low} & 5.2\text{mA}, 5.2\text{mA} \\ \text{Logic Level - Low} & 0.5 \text{ V} \sim 1.8 \text{ V} \\ \text{Logic Level - High} & 1.5 \text{ V} \sim 4.2 \text{ V} \\ \text{Max Propagation Delay @ V, Max CL} & 17ns @ 6V, 50pF} \\ \end{array}$	Manufacturer	Nexperia USA Inc.
Package14-SSOP (0.209", 5.30mm Width)Series74HCLogic TypeNOR GateNumber of Circuits2Number of Inputs4Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)2 $\mu$ ACurrent - Output High, Low5.2mA, 5.2mALogic Level - Low0.5 V ~ 1.8 VLogic Level - High1.5 V ~ 4.2 VMax Propagation Delay @ V, Max CL17ns @ 6V, 50pF	Category	Integrated Circuits (ICs)
Series $74HC$ Logic TypeNOR GateNumber of Circuits2Number of Inputs4Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $5.2\text{mA}, 5.2\text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17\text{ns}$ @ 6V, $50\text{pF}$		Logic - Gates and Inverters
Logic TypeNOR GateNumber of Circuits2Number of Inputs4Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $5.2\text{mA}, 5.2\text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17\text{ns}$ @ 6V, $50\text{pF}$	Package	14-SSOP (0.209", 5.30mm Width)
Number of Circuits2Number of Inputs4Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $5.2\text{mA}$ , $5.2\text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17\text{ns}$ @ 6V, $50\text{pF}$	Series	74HC
Number of Inputs4Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $5.2\text{mA}, 5.2\text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17\text{ns}$ @ $6\text{V}$ , $50\text{pF}$	Logic Type	NOR Gate
Features - Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $5.2\text{mA}$ , $5.2\text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17\text{ns}$ @ 6V, $50\text{pF}$	Number of Circuits	2
Voltage - Supply $2\ V \sim 6\ V$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $5.2mA, 5.2mA$ Logic Level - Low $0.5\ V \sim 1.8\ V$ Logic Level - High $1.5\ V \sim 4.2\ V$ Max Propagation Delay @ V, Max CL $17ns\ @ 6V, 50pF$	Number of Inputs	4
Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $5.2mA$ , $5.2mA$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17ns$ @ 6V, $50pF$	Features	-
Current - Output High, Low $5.2 \text{mA}$ , $5.2 \text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17 \text{ns}$ @ $6 \text{V}$ , $50 \text{pF}$	Voltage - Supply	2 V ~ 6 V
Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17 \text{ns}$ @ 6V, $50 \text{pF}$	Current - Quiescent (Max)	$2\mu A$
Logic Level - High 1.5 V ~ 4.2 V Max Propagation Delay @ V, Max CL 17ns @ 6V, 50pF	Current - Output High, Low	5.2mA, 5.2mA
Max Propagation Delay @ V, Max CL 17ns @ 6V, 50pF	Logic Level - Low	0.5 V ~ 1.8 V
	Logic Level - High	1.5 V ~ 4.2 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Max Propagation Delay @ V, Max CL	17ns @ 6V, 50pF
	Operating Temperature	-40°C ~ 125°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Supplier Device Package 14-SSOP	Supplier Device Package	14-SSOP
Package / Case 14-SSOP (0.209", 5.30mm Width)	Package / Case	14-SSOP (0.209", 5.30mm Width)
Report errors?		Report errors?

### 74HC4002DB,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.

### 74HC4002DB,118 Payment Methods



















## 74HC4002DB,118 Shipping Methods













If you have any question about 74HC4002DB,118, please do not hesitate to contact us!

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