

# 74VHC02BQ,115

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## 74VHC02BQ,115 Information

	Part Number	74VHC02BQ,115	
Carlos	Manufacturer	Nexperia USA Inc.	
	Category	Integrated Circuits (ICs) Logic - Gates and Inverters	
	Description	IC GATE NOR 4CH 2-INP 14-DHVQFN	
	Package	14-VFQFN Exposed Pad	
		For the pricing/inventory/lead time, please contact	
		us	
For Reference Only		Website: https://www.heisener.com	
		E-mail: salesdept@heisener.com	



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## 74VHC02BQ,115 Specifications

Manufacturer Nexperia USA Inc.   Category Integrated Circuits (ICs)   Logic - Gates and Inverters   Package 14-VFQFN Exposed Pad   Series 74VHC   Logic Type NOR Gate   Number of Circuits 4   Number of Circuits 2   Features -   Voltage - Supply 2 V ~ 5.5 V   Current - Quiescent (Max) 2µA   Current - Output High, Low 8mA, 8mA   Logic Level - Low 0.5 V ~ 1.65 V		
CategoryIntegrated Circuits (ICs)Logic - Gates and InvertersPackage14-VFQFN Exposed PadSeries74VHCLogic TypeNOR GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2µACurrent - Output High, Low8mA, 8mALogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Manufacturer Part Number	74VHC02BQ,115
Logic - Gates and Inverters   Package 14-VFQFN Exposed Pad   Series 74VHC   Logic Type NOR Gate   Number of Circuits 4   Number of Inputs 2   Features -   Voltage - Supply 2 V ~ 5.5 V   Current - Quiescent (Max) 2µA   Current - Output High, Low 8mA, 8mA   Logic Level - Low 0.5 V ~ 1.65 V   Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF   Operating Temperature -40°C ~ 125°C   Mounting Type Surface Mount   Supplier Device Package 14-DHVQFN (2.5x3)   Package / Case 14-VFQFN Exposed Pad	Manufacturer	Nexperia USA Inc.
Package14-VFQFN Exposed PadSeries74VHCLogic TypeNOR GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2µACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VOperating Temperature-0°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Category	Integrated Circuits (ICs)
Series74VHCLogic TypeNOR GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2µACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature440°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad		Logic - Gates and Inverters
Logic TypeNOR GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2µACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)	Package	14-VFQFN Exposed Pad
Number of Circuits4Number of Inputs2Features-Features2 V ~ 5.5 VVoltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2 µACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Series	74VHC
Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2µACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Logic Type	NOR Gate
Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2µACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Number of Circuits	4
Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Number of Inputs	2
Current - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Features	-
Current - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Voltage - Supply	2 V ~ 5.5 V
Logic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Current - Quiescent (Max)	2μΑ
Logic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Current - Output High, Low	8mA, 8mA
Max Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Logic Level - Low	0.5 V ~ 1.65 V
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Logic Level - High	1.5 V ~ 3.85 V
Mounting TypeSurface MountSupplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF
Supplier Device Package14-DHVQFN (2.5x3)Package / Case14-VFQFN Exposed Pad	Operating Temperature	-40°C ~ 125°C
Package / Case 14-VFQFN Exposed Pad	Mounting Type	Surface Mount
	Supplier Device Package	14-DHVQFN (2.5x3)
Report errors?	Package / Case	14-VFQFN Exposed Pad
		Report errors?

### 74VHC02BQ,115 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.

### 74VHC02BQ,115 Payment Methods



## 74VHC02BQ,115 Shipping Methods



If you have any question about 74VHC02BQ,115, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com