

### **CNY17F-3X016 Information**



For Reference Only

Part Number CNY17F-3X016

Manufacturer Vishay Semiconductor Opto Division

**Category** Isolators

Optoisolators - Transistor, Photovoltaic Output

**Description** OPTOISOLTR 5KV TRANSISTOR 6-DIP

**Package** 6-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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



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# **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.









## **CNY17F-3X016 Specifications**

Manufacturer Part Number         CNY17F-3X016           Manufacturer         Vishay Semiconductor Opto Division           Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         6-DIP (0.300", 7.62mm)           Series         -           Number of Channels         1           Current Transfer Ratio (Min)         100% @ 10mA           Current Transfer Ratio (Max)         200% @ 10mA           Turn On / Turn Off Time (Typ)         3µs, 2.3µs           Rise / Fall Time (Typ)         2µs, 2µs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         70V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.39V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         400mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         6-DIP (0.300", 7.62mm)           Supplier Device Package         6-DIP (0.300", 7.62mm)	•	
Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         6-DIP (0.300", 7.62mm)           Series         -           Number of Channels         1           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         100% @ 10mA           Current Transfer Ratio (Max)         200% @ 10mA           Turn On / Turn Off Time (Typ)         3μs, 2.3μs           Rise / Fall Time (Typ)         2μs, 2μs           Input Type         DC           Output Type         DC           Voltage - Output (Max)         70V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.39V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         400mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         6-DIP (0.300", 7.62mm)           Supplier Device Package         6-DIP	Manufacturer Part Number	CNY17F-3X016
Package         6-DIP (0.300", 7.62mm)           Series         -           Number of Channels         1           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         100% @ 10mA           Current Transfer Ratio (Max)         200% @ 10mA           Turn On / Turn Off Time (Typ)         3μs, 2.3μs           Rise / Fall Time (Typ)         2μs, 2μs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         70V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.39V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         400mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         6-DIP (0.300", 7.62mm)           Supplier Device Package         6-DIP	Manufacturer	Vishay Semiconductor Opto Division
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Series         -           Number of Channels         1           Voltage - Isolation         5000Vrms           Current Transfer Ratio (Min)         100% @ 10mA           Current Transfer Ratio (Max)         200% @ 10mA           Turn On / Turn Off Time (Typ)         3μs, 2.3μs           Rise / Fall Time (Typ)         2μs, 2μs           Input Type         DC           Output Type         Transistor           Voltage - Output (Max)         70V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.39V           Current - DC Forward (If) (Max)         60mA           Vce Saturation (Max)         400mV           Operating Temperature         -55°C ~ 110°C           Mounting Type         Through Hole           Package / Case         6-DIP (0.300", 7.62mm)           Supplier Device Package         6-DIP		Optoisolators - Transistor, Photovoltaic Output
Number of Channels  Voltage - Isolation  5000Vrms  Current Transfer Ratio (Min)  100% @ 10mA  Current Transfer Ratio (Max)  200% @ 10mA  Turn On / Turn Off Time (Typ)  3µs, 2.3µs  Rise / Fall Time (Typ)  2µs, 2µs  Input Type  DC  Output Type  Transistor  Voltage - Output (Max)  70V  Current - Output / Channel  50mA  Voltage - Forward (Vf) (Typ)  1.39V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  400mV  Operating Type  Through Hole  Package / Case  6-DIP (0.300", 7.62mm)  Supplier Device Package	Package	6-DIP (0.300", 7.62mm)
Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)100% @ 10mACurrent Transfer Ratio (Max)200% @ 10mATurn On / Turn Off Time (Typ)3μs, 2.3μsRise / Fall Time (Typ)2μs, 2μsInput TypeDCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.300", 7.62mm)Supplier Device Package6-DIP	Series	-
Current Transfer Ratio (Min)  Current Transfer Ratio (Max)  200% @ 10mA  Turn On / Turn Off Time (Typ)  3µs, 2.3µs  Rise / Fall Time (Typ)  2µs, 2µs  Input Type  DC  Output Type  Transistor  Voltage - Output (Max)  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.39V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  400mV  Operating Temperature  -55°C ~ 110°C  Mounting Type  Package / Case  6-DIP (0.300", 7.62mm)  Supplier Device Package	Number of Channels	1
Current Transfer Ratio (Max)200% @ 10mATurn On / Turn Off Time (Typ)3μs, 2.3μsRise / Fall Time (Typ)2μs, 2μsInput TypeDCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.300", 7.62mm)Supplier Device Package6-DIP	Voltage - Isolation	5000Vrms
Turn On / Turn Off Time (Typ) $3\mu s, 2.3\mu s$ Rise / Fall Time (Typ) $2\mu s, 2\mu s$ Input Type DC Output Type Transistor Voltage - Output (Max) $70V$ Current - Output / Channel $50mA$ Voltage - Forward (Vf) (Typ) $1.39V$ Current - DC Forward (If) (Max) $400mV$ Operating Temperature $-55^{\circ}C \sim 110^{\circ}C$ Mounting Type Through Hole Package / Case $6-DIP$ (0.300", 7.62mm) Supplier Device Package	Current Transfer Ratio (Min)	100% @ 10mA
Rise / Fall Time (Typ)2μs, 2μsInput TypeDCOutput TypeTransistorVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.300", 7.62mm)Supplier Device Package6-DIP	Current Transfer Ratio (Max)	200% @ 10mA
Input Type Output Type Transistor  Voltage - Output (Max) 70V  Current - Output / Channel 50mA  Voltage - Forward (Vf) (Typ) 1.39V  Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 400mV  Operating Temperature -55°C ~ 110°C  Mounting Type Through Hole  Package / Case 6-DIP (0.300", 7.62mm)  Supplier Device Package 6-DIP	Turn On / Turn Off Time (Typ)	3μs, 2.3μs
Output Type  Voltage - Output (Max)  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.39V  Current - DC Forward (If) (Max)  Vce Saturation (Max)  Operating Temperature  Mounting Type  Through Hole  Package / Case  6-DIP (0.300", 7.62mm)  Supplier Device Package	Rise / Fall Time (Typ)	2μs, 2μs
Voltage - Output (Max)  Current - Output / Channel  50mA  Voltage - Forward (Vf) (Typ)  1.39V  Current - DC Forward (If) (Max)  60mA  Vce Saturation (Max)  400mV  Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  6-DIP (0.300", 7.62mm)  Supplier Device Package	Input Type	DC
Current - Output / Channel 50mA  Voltage - Forward (Vf) (Typ) 1.39V  Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 400mV  Operating Temperature -55°C ~ 110°C  Mounting Type Through Hole  Package / Case 6-DIP (0.300", 7.62mm)  Supplier Device Package 6-DIP	Output Type	Transistor
Voltage - Forward (Vf) (Typ)  1.39V  Current - DC Forward (If) (Max)  Vce Saturation (Max)  Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  6-DIP (0.300", 7.62mm)  Supplier Device Package  6-DIP	Voltage - Output (Max)	70V
Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 400mV  Operating Temperature -55°C ~ 110°C  Mounting Type Through Hole  Package / Case 6-DIP (0.300", 7.62mm)  Supplier Device Package 6-DIP	Current - Output / Channel	50mA
Vce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.300", 7.62mm)Supplier Device Package6-DIP	Voltage - Forward (Vf) (Typ)	1.39V
Operating Temperature  -55°C ~ 110°C  Mounting Type  Through Hole  Package / Case  6-DIP (0.300", 7.62mm)  Supplier Device Package  6-DIP	Current - DC Forward (If) (Max)	60mA
Mounting Type Through Hole Package / Case 6-DIP (0.300", 7.62mm) Supplier Device Package 6-DIP	Vce Saturation (Max)	$400 \mathrm{mV}$
Package / Case 6-DIP (0.300", 7.62mm) Supplier Device Package 6-DIP	Operating Temperature	-55°C ~ 110°C
Supplier Device Package 6-DIP	Mounting Type	Through Hole
	Package / Case	6-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	6-DIP
		Report errors?

### **CNY17F-3X016 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.

### **CNY17F-3X016 Payment Methods**



















## **CNY17F-3X016 Shipping Methods**













If you have any question about CNY17F-3X016, please do not hesitate to contact us!

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