

### SFH628A-3X016 Information



For Reference Only

Part Number SFH628A-3X016

Manufacturer Vishay Semiconductor Opto Division

**Category** Isolators

Optoisolators - Transistor, Photovoltaic Output

**Description** OPTOISOLATOR 5.3KV TRANS 4DIP

**Package** 4-DIP (0.400", 10.16mm)

For the pricing/inventory/lead time, please contact

us

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



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### SFH628A-3X016 Specifications

| Manufacturer Part Number         SFH628A-3X016           Manufacturer         Vishay Semiconductor Opto Division           Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         4-DIP (0.400", 10.16mm)           Series         -           Number of Channels         1           Voltage - Isolation         5300Vrms           Current Transfer Ratio (Min)         100% @ ImA           Current Transfer Ratio (Max)         320% @ ImA           Turn On / Turn Off Time (Typ)         6μs, 5.5μs           Rise / Fall Time (Typ)         3.5μs, 5μs           Input Type         AC, DC           Output Type         Transistor           Voltage - Output (Max)         55V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.1V           Current - DC Forward (If) (Max)         50mA           Voe Saturation (Max)         400mV           Operating Temperature         -55°C - 100°C           Mounting Type         Through Hole           Package / Case         4-DIP (0.400", 10.16mm)           Supplier Device Package         4-DIP | •                               |   |
|---|---------------------------------|---|
| Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         4-DIP (0.400", 10.16mm)           Series         -           Number of Channels         1           Voltage - Isolation         5300Vrms           Current Transfer Ratio (Min)         100% @ 1mA           Current Transfer Ratio (Max)         320% @ 1mA           Turn On / Turn Off Time (Typ)         6µs, 5.5µs           Rise / Fall Time (Typ)         3.5µs, 5µs           Input Type         AC, DC           Output Type         Transistor           Voltage - Output (Max)         55V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.1V           Current - DC Forward (If) (Max)         50mA           Vec Saturation (Max)         400mV           Operating Temperature         -55°C ~ 100°C           Mounting Type         Through Hole           Package / Case         4-DIP (0.400", 10.16mm)           Supplier Device Package         4-DIP  | Manufacturer Part Number        | SFH628A-3X016                                   |
| Package         4-DIP (0.400", 10.16mm)           Series         -           Number of Channels         1           Voltage - Isolation         5300Vrms           Current Transfer Ratio (Min)         100% @ ImA           Current Transfer Ratio (Max)         320% @ ImA           Turn On / Turn Off Time (Typ)         6μs, 5.5μs           Rise / Fall Time (Typ)         3.5μs, 5μs           Input Type         AC, DC           Output Type         Transistor           Voltage - Output (Max)         55V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.1V           Current - DC Forward (If) (Max)         50mA           Vec Saturation (Max)         400mV           Operating Temperature         -55°C ~ 100°C           Mounting Type         Through Hole           Package / Case         4-DIP (0.400", 10.16mm)           Supplier Device Package         4-DIP   | Manufacturer                    | Vishay Semiconductor Opto Division              |
| Package         4-DIP (0.400", 10.16mm)           Series         -           Number of Channels         1           Voltage - Isolation         5300Vrms           Current Transfer Ratio (Min)         100% @ 1mA           Current Transfer Ratio (Max)         320% @ 1mA           Turn On / Turn Off Time (Typ)         6μs, 5.5μs           Rise / Fall Time (Typ)         3.5μs, 5μs           Input Type         AC, DC           Output Type         Transistor           Voltage - Output (Max)         55V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.1V           Current - DC Forward (If) (Max)         50mA           Vec Saturation (Max)         400mV           Operating Temperature         -55°C ~ 100°C           Mounting Type         Through Hole           Package / Case         4-DIP (0.400", 10.16mm)           Supplier Device Package         4-DIP   | Category                        | Isolators                                       |
| Series         -           Number of Channels         1           Voltage - Isolation         5300Vrms           Current Transfer Ratio (Min)         100% @ 1mA           Current Transfer Ratio (Max)         320% @ 1mA           Turn On / Turn Off Time (Typ)         6μs, 5.5μs           Rise / Fall Time (Typ)         3.5μs, 5μs           Input Type         AC, DC           Output Type         Transistor           Voltage - Output (Max)         55V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.1V           Current - DC Forward (If) (Max)         50mA           Vce Saturation (Max)         400mV           Operating Temperature         -55°C ~ 100°C           Mounting Type         Through Hole           Package / Case         4-DIP (0.400", 10.16mm)           Supplier Device Package         4-DIP   |                                 | Optoisolators - Transistor, Photovoltaic Output |
| Number of Channels         1           Voltage - Isolation         5300Vrms           Current Transfer Ratio (Min)         100% @ 1mA           Current Transfer Ratio (Max)         320% @ 1mA           Turn On / Turn Off Time (Typ)         6µs, 5.5µs           Rise / Fall Time (Typ)         3.5µs, 5µs           Input Type         AC, DC           Output Type         Transistor           Voltage - Output (Max)         55V           Current - Output / Channel         50mA           Voltage - Forward (Vf) (Typ)         1.1V           Current - DC Forward (If) (Max)         50mA           Vce Saturation (Max)         400mV           Operating Temperature         -55°C ~ 100°C           Mounting Type         Through Hole           Package / Case         4-DIP (0.400", 10.16mm)           Supplier Device Package         4-DIP  | Package                         | 4-DIP (0.400", 10.16mm)                         |
| Voltage - Isolation5300VrmsCurrent Transfer Ratio (Min)100% @ 1mACurrent Transfer Ratio (Max)320% @ 1mATurn On / Turn Off Time (Typ)6μs, 5.5μsRise / Fall Time (Typ)3.5μs, 5μsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)55VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.1VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeThrough HolePackage / Case4-DIP (0.400", 10.16mm)Supplier Device Package4-DIP  | Series                          | -   |
| Current Transfer Ratio (Min)  Current Transfer Ratio (Max)  320% @ 1mA  Turn On / Turn Off Time (Typ)  6µs, 5.5µs  Rise / Fall Time (Typ)  3.5µs, 5µs  Input Type  AC, DC  Output Type  Transistor  Voltage - Output (Max)  55V  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.1V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  400mV  Operating Temperature  -55°C ~ 100°C  Mounting Type  Through Hole  Package / Case  4-DIP (0.400", 10.16mm)  Supplier Device Package  | Number of Channels              | 1   |
| Current Transfer Ratio (Max)  Turn On / Turn Off Time (Typ)  6µs, 5.5µs  Rise / Fall Time (Typ)  3.5µs, 5µs  Input Type  AC, DC  Output Type  Transistor  Voltage - Output (Max)  55V  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.1V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  400mV  Operating Temperature  -55°C ~ 100°C  Mounting Type  Package / Case  4-DIP (0.400", 10.16mm)  Supplier Device Package  | Voltage - Isolation             | 5300Vrms  |
| Turn On / Turn Off Time (Typ)  Rise / Fall Time (Typ)  3.5μs, 5μs  Input Type  AC, DC  Output Type  Transistor  Voltage - Output (Max)  55V  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.1V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  -55°C ~ 100°C  Mounting Type  Through Hole  Package / Case  4-DIP (0.400", 10.16mm)  Supplier Device Package   | Current Transfer Ratio (Min)    | 100% @ 1mA                                      |
| Rise / Fall Time (Typ)3.5μs, 5μsInput TypeAC, DCOutput TypeTransistorVoltage - Output (Max)55VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.1VCurrent - DC Forward (If) (Max)50mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeThrough HolePackage / Case4-DIP (0.400", 10.16mm)Supplier Device Package4-DIP  | Current Transfer Ratio (Max)    | 320% @ 1mA                                      |
| Input Type AC, DC Output Type Transistor  Voltage - Output (Max) 55V Current - Output / Channel 50mA  Voltage - Forward (Vf) (Typ) 1.1V Current - DC Forward (If) (Max) 50mA  Vce Saturation (Max) 400mV Operating Temperature -55°C ~ 100°C  Mounting Type Through Hole  Package / Case 4-DIP (0.400", 10.16mm) Supplier Device Package 4-DIP  | Turn On / Turn Off Time (Typ)   | 6μs, 5.5μs                                      |
| Output Type  Transistor  Voltage - Output (Max)  55V  Current - Output / Channel  50mA  Voltage - Forward (Vf) (Typ)  1.1V  Current - DC Forward (If) (Max)  Vce Saturation (Max)  Operating Temperature  400mV  Operating Type  Through Hole  Package / Case  4-DIP (0.400", 10.16mm)  Supplier Device Package   | Rise / Fall Time (Typ)          | 3.5µs, 5µs                                      |
| Voltage - Output (Max)  Current - Output / Channel  50mA  Voltage - Forward (Vf) (Typ)  1.1V  Current - DC Forward (If) (Max)  Vce Saturation (Max)  400mV  Operating Temperature  -55°C ~ 100°C  Mounting Type  Through Hole  Package / Case  4-DIP (0.400", 10.16mm)  Supplier Device Package  4-DIP  | Input Type                      | AC, DC  |
| Current - Output / Channel 50mA  Voltage - Forward (Vf) (Typ) 1.1V  Current - DC Forward (If) (Max) 50mA  Vce Saturation (Max) 400mV  Operating Temperature -55°C ~ 100°C  Mounting Type Through Hole  Package / Case 4-DIP (0.400", 10.16mm)  Supplier Device Package 4-DIP  | Output Type                     | Transistor                                      |
| Voltage - Forward (Vf) (Typ)  1.1V  Current - DC Forward (If) (Max)  50mA  Vce Saturation (Max)  400mV  Operating Temperature  -55°C ~ 100°C  Mounting Type  Through Hole  Package / Case  4-DIP (0.400", 10.16mm)  Supplier Device Package  4-DIP  | Voltage - Output (Max)          | 55V   |
| Current - DC Forward (If) (Max) 50mA  Vce Saturation (Max) 400mV  Operating Temperature -55°C ~ 100°C  Mounting Type Through Hole  Package / Case 4-DIP (0.400", 10.16mm)  Supplier Device Package 4-DIP  | Current - Output / Channel      | 50mA  |
| Vce Saturation (Max)400mVOperating Temperature-55°C ~ 100°CMounting TypeThrough HolePackage / Case4-DIP (0.400", 10.16mm)Supplier Device Package4-DIP   | Voltage - Forward (Vf) (Typ)    | 1.1V  |
| Operating Temperature  -55°C ~ 100°C  Mounting Type  Through Hole  Package / Case  4-DIP (0.400", 10.16mm)  Supplier Device Package  4-DIP  | Current - DC Forward (If) (Max) | 50mA  |
| Mounting Type Through Hole Package / Case 4-DIP (0.400", 10.16mm) Supplier Device Package 4-DIP   | Vce Saturation (Max)            | 400mV   |
| Package / Case 4-DIP (0.400", 10.16mm) Supplier Device Package 4-DIP  | Operating Temperature           | -55°C ~ 100°C                                   |
| Supplier Device Package 4-DIP   | Mounting Type                   | Through Hole                                    |
|   | Package / Case                  | 4-DIP (0.400", 10.16mm)                         |
| Report errors?  | Supplier Device Package         | 4-DIP   |
|   |                                 | Report errors?                                  |

#### SFH628A-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.

# SFH628A-3X016 Payment Methods





















### SFH628A-3X016 Shipping Methods













If you have any question about SFH628A-3X016, please do not hesitate to contact us!

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