

# CNY117-1X006

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#### **CNY117-1X006 Information**



For Reference Only

### **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.



## **CNY117-1X006 Specifications**

| Manufacturer     Vishay Semiconductor Opto Division       Category     Isolators       Package     6-DIP (0.400", 10.16mm)       Package     6-DIP (0.400", 10.16mm)       Series     -       Number of Channels     1       Voltage - Isolation     5000Vrms       Current Transfer Ratio (Min)     40% @ 10mA       Current Transfer Ratio (Max)     80% @ 10mA       Turn On / Turn Off Time (Typ)     3µs, 2.3µs       Rise / Fall Time (Typ)     3µs, 2.3µs       Output Type     DC       Output Type     Transistor with Base       Voltage - Output (Max)     70V       Current - Output / Channel     50mA       Voltage - Forward (Vf) (Typ)     1.39V       Current - DC Forward (If) (Max)     60mA       Vole Saturation (Max)     400mV       Operating Temperature     -55°C ~ 110°C       Mounting Type     Through Hole       Package / Case     6-DIP (0.400", 10.16mm) |                                 |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------|
| CategoryIsolarosOptoisolators - Transistor, Photovoltaic OutputPackage6-DIP (0.400", 10.16mm)Series-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)40% @ 10mACurrent Transfer Ratio (Max)80% @ 10mACurrent On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVoce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                | Manufacturer Part Number        | CNY117-1X006                                    |
| Optoisolators - Transistor, Photovoltaic OutputPackage6-DIP (0.400", 10.16mm)Series-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)40% @ 10mACurrent Transfer Ratio (Max)80% @ 10mACurrent Transfer Ratio (Max)80% @ 10mATurn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsDC1Output TypeDCOutput Type70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVe Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                             | Manufacturer                    | Vishay Semiconductor Opto Division              |
| Package6-DIP (0.400", 10.16mm)Series-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)40% @ 10mACurrent Transfer Ratio (Max)80% @ 10mATurn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsDoc0utput TypeOutput TypeDCOutput Type70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVoltage - Forward (Vf) (Typ)55°C ~ 110°CCurrent - DC Forward (If) (Max)6DIP (0.400", 10.16mm)Supplier Device Package6-DIP (0.400", 10.16mm)                                                                                                                                                                                                                                                                                                                                                                | Category                        | Isolators                                       |
| Series-Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)40% @ 10mACurrent Transfer Ratio (Max)80% @ 10mATurn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVoe Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400°, 10.16mm)                                                                                                                                                                                                                                                                                                                                                                                     |                                 | Optoisolators - Transistor, Photovoltaic Output |
| Number of Channels1Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)40% @ 10mACurrent Transfer Ratio (Max)80% @ 10mATurn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVoltage - Forward (If) (Max)60mAVoltage - Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)                                                                                                                                                                                                                                                                                                                                                      | Package                         | 6-DIP (0.400", 10.16mm)                         |
| Voltage - Isolation5000VrmsCurrent Transfer Ratio (Min)40% @ 10mACurrent Transfer Ratio (Max)80% @ 10mATurn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVoltage - Forward (If) (Max)60mAVoltage - Gurger Turner-55°C ~ 110°CPackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                   | Series                          | -                                               |
| Current Transfer Ratio (Min)40% @ 10mACurrent Transfer Ratio (Max)80% @ 10mATurn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVoltage Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                         | Number of Channels              | 1                                               |
| Current Transfer Ratio (Max)80% @ 10mATurn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVes Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Voltage - Isolation             | 5000Vrms                                        |
| Turn On / Turn Off Time (Typ)3µs, 2.3µsRise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - 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 (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Current Transfer Ratio (Min)    | 40% @ 10mA                                      |
| Rise / Fall Time (Typ)2µs, 2µsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)70VCurrent - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVec Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Current Transfer Ratio (Max)    | 80% @ 10mA                                      |
| Input TypeDCOutput TypeTransistor with BaseVoltage - 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 (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Turn On / Turn Off Time (Typ)   | 3µs, 2.3µs                                      |
| A resultTransistor with BaseOutput TypeTransistor with BaseVoltage - 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 (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Rise / Fall Time (Typ)          | 2µs, 2µs                                        |
| Yoltage - 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 (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Input Type                      | DC                                              |
| Current - Output / Channel50mAVoltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Output Type                     | Transistor with Base                            |
| Voltage - Forward (Vf) (Typ)1.39VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Voltage - Output (Max)          | 70V                                             |
| Current - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Current - Output / Channel      | 50mA                                            |
| Vce Saturation (Max)400mVOperating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Voltage - Forward (Vf) (Typ)    | 1.39V                                           |
| Operating Temperature-55°C ~ 110°CMounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Current - DC Forward (If) (Max) | 60mA                                            |
| Mounting TypeThrough HolePackage / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Vce Saturation (Max)            | 400mV                                           |
| Package / Case6-DIP (0.400", 10.16mm)Supplier Device Package6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Operating Temperature           | -55°C ~ 110°C                                   |
| Supplier Device Package 6-DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Mounting Type                   | Through Hole                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Package / Case                  | 6-DIP (0.400", 10.16mm)                         |
| Report errors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Supplier Device Package         | 6-DIP                                           |
| Report chois                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 | Report errors                                   |

E-mail: salesdept@heisener.com

#### **CNY117-1X006 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

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

# CNY117-1X006 Payment Methods





If you have any question about CNY117-1X006, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com