

**TCLT1006 Information**


For Reference Only

**Part Number** [TCLT1006](#)  
**Manufacturer** Vishay Semiconductor Opto Division  
**Category** Isolators  
[Optoisolators - Transistor, Photovoltaic Output](#)  
**Description** OPTOISOLATR 5KV TRANSISTOR 4-SOP  
**Package** 4-SMD, Gull Wing  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**TCLT1006 Specifications**

|                                 |  |
|---------------------------------|--|
| Manufacturer Part Number        | <a href="#">TCLT1006</a>   |
| Manufacturer                    | Vishay Semiconductor Opto Division   |
| Category                        | Isolators<br><a href="#">Optoisolators - Transistor, Photovoltaic Output</a> |
| Package                         | 4-SMD, Gull Wing   |
| Series                          | -  |
| Number of Channels              | 1  |
| Voltage - Isolation             | 5000Vrms   |
| Current Transfer Ratio (Min)    | 100% @ 5mA   |
| Current Transfer Ratio (Max)    | 300% @ 5mA   |
| Turn On / Turn Off Time (Typ)   | 6μs, 5μs   |
| Rise / Fall Time (Typ)          | 3μs, 4.7μs   |
| Input Type                      | DC   |
| Output Type                     | Transistor   |
| Voltage - Output (Max)          | 70V  |
| Current - Output / Channel      | 50mA   |
| Voltage - Forward (Vf) (Typ)    | 1.25V  |
| Current - DC Forward (If) (Max) | 60mA   |
| Vce Saturation (Max)            | 300mV  |
| Operating Temperature           | -55°C ~ 100°C  |
| Mounting Type                   | Surface Mount  |
| Package / Case                  | 4-SMD, Gull Wing   |
| Supplier Device Package         | 4-SOP (2.54mm)   |

[Report errors?](#)

## TCLT1006 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.

## TCLT1006 Payment Methods



## TCLT1006 Shipping Methods



If you have any question about TCLT1006, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)