

**HCPL0500R1 Information**


For Reference Only

**Part Number** [HCPL0500R1](#)  
**Manufacturer** Fairchild/ON Semiconductor  
**Category** Isolators  
[Optoisolators - Transistor, Photovoltaic Output](#)  
**Description** OPTOCOUPLER SGL TRANS OUT 8-SOIC  
**Package** 8-SOIC (0.154", 3.90mm Width)  
 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.


**HCPL0500R1 Specifications**

|                                 |  |
|---------------------------------|--|
| Manufacturer Part Number        | <a href="#">HCPL0500R1</a>   |
| Manufacturer                    | Fairchild/ON Semiconductor   |
| Category                        | Isolators<br><a href="#">Optoisolators - Transistor, Photovoltaic Output</a> |
| Package                         | 8-SOIC (0.154", 3.90mm Width)  |
| Series                          | -  |
| Number of Channels              | 1  |
| Voltage - Isolation             | 2500Vrms   |
| Current Transfer Ratio (Min)    | 7% @ 16mA  |
| Current Transfer Ratio (Max)    | 50% @ 16mA   |
| Turn On / Turn Off Time (Typ)   | 450ns, 500ns   |
| Rise / Fall Time (Typ)          | -  |
| Input Type                      | DC   |
| Output Type                     | Transistor with Base   |
| Voltage - Output (Max)          | 20V  |
| Current - Output / Channel      | 8mA  |
| Voltage - Forward (Vf) (Typ)    | 1.45V  |
| Current - DC Forward (If) (Max) | 25mA   |
| Vce Saturation (Max)            | -  |
| Operating Temperature           | -40°C ~ 85°C   |
| Mounting Type                   | Surface Mount  |
| Package / Case                  | 8-SOIC (0.154", 3.90mm Width)  |
| Supplier Device Package         | 8-SO Tall  |

[Report errors?](#)

## HCPL0500R1 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.

## HCPL0500R1 Payment Methods



## HCPL0500R1 Shipping Methods



If you have any question about HCPL0500R1, please do not hesitate to contact us!

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

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