

**IRF5850 Information**


For Reference Only

**Part Number** [IRF5850](#)  
**Manufacturer** Infineon Technologies  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Arrays](#)  
**Description** MOSFET 2P-CH 20V 2.2A 6TSOP  
**Package** SOT-23-6 Thin, TSOT-23-6  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**IRF5850 Specifications**

|   |   |
|---|---|
| Manufacturer Part Number                                      | <a href="#">IRF5850</a>   |
| Manufacturer  | Infineon Technologies   |
| Category  | Discrete Semiconductor Products<br><a href="#">Transistors - FETs, MOSFETs - Arrays</a> |
| Package   | SOT-23-6 Thin, TSOT-23-6  |
| Series  | -   |
| FET Type  | 2 P-Channel (Dual)  |
| FET Feature   | Logic Level Gate  |
| Drain to Source Voltage (V <sub>ds</sub> )                    | 20V   |
| Current - Continuous Drain (I <sub>d</sub> ) @ 25°C           | 2.2A  |
| R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>   | 135 mOhm @ 2.2A, 4.5V   |
| V <sub>gs</sub> (th) (Max) @ I <sub>d</sub>                   | 1.2V @ 250μA  |
| Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>         | 5.4nC @ 4.5V  |
| Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub> | 320pF @ 15V   |
| Power - Max   | 960mW   |
| Operating Temperature   | -   |
| Mounting Type   | Surface Mount   |
| Package / Case  | SOT-23-6 Thin, TSOT-23-6  |
| Supplier Device Package                                       | 6-TSOP  |

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## IRF5850 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.

## IRF5850 Payment Methods



## IRF5850 Shipping Methods



If you have any question about IRF5850, please do not hesitate to contact us!

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

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