

|                                                                                                                                                                                                                                        |                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <div><div>Not Actual Photo<br/>YIC International Co., Limited.</div></div> <div>Image may be representation.<br/>See specs for product details.</div> | <b>STL50N6F7</b>                                                                                                       |
|                                                                                                                                                                                                                                        | <b>Manufacturer Part Number:</b> <a href="#">STL50N6F7</a>                                                             |
|                                                                                                                                                                                                                                        | <b>Manufacturer/Brand:</b> N/A                                                                                         |
|                                                                                                                                                                                                                                        | <b>Part of Description:</b> MOSFET N-CH 60V 50A POWERFLAT                                                              |
|                                                                                                                                                                                                                                        | <b>RoHs Status:</b>  Lead free / RoHS |
|                                                                                                                                                                                                                                        | <b>Stock Condition:</b> <div>Compliant</div> New original, 9311 pcs Stock Available.                                   |
|                                                                                                                                                                                                                                        | <b>Ship From:</b> Hong Kong                                                                                            |
| <b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                             |                                                                                                                        |

Specifications

|                                        |                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------|
| Part Number                            | <a href="#">STL50N6F7</a>                                                             |
| Manufacturer                           | N/A                                                                                   |
| Description                            | MOSFET N-CH 60V 50A POWERFLAT                                                         |
| Category                               | <a href="#">Discrete Semiconductor Products</a> > <a href="#">Transistors - FETs,</a> |
| Part Status                            | 9311 pcs Stock                                                                        |
| Vgs(th) (Max) @ Id                     | 4V @ 250μA                                                                            |
| Vgs (Max)                              | ±20V                                                                                  |
| Technology                             | MOSFET (Metal Oxide)                                                                  |
| Supplier Device Package                | PowerFlat™ (5x6)                                                                      |
| Series                                 | STripFET™ F7                                                                          |
| Rds On (Max) @ Id, Vgs                 | 14 mOhm @ 6.5A, 10V                                                                   |
| Power Dissipation (Max)                | 71W (Tc)                                                                              |
| Packaging                              | Tape & Reel (TR)                                                                      |
| Package / Case                         | 8-PowerVDFN                                                                           |
| Operating Temperature                  | -55°C ~ 175°C (TJ)                                                                    |
| Mounting Type                          | Surface Mount                                                                         |
| Moisture Sensitivity Level (MSL)       | 1 (Unlimited)                                                                         |
| Manufacturer Standard Lead Time        | 38 Weeks                                                                              |
| Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                                            |
| Input Capacitance (Ciss) (Max) @ Vds   | 980pF @ 25V                                                                           |
| Gate Charge (Qg) (Max) @ Vgs           | 17nC @ 10V                                                                            |
| FET Type                               | N-Channel                                                                             |
| FET Feature                            | -                                                                                     |
| Drive Voltage (Max Rds On, Min Rds On) | 10V                                                                                   |
| Drain to Source Voltage (Vdss)         | 60V                                                                                   |
| Detailed Description                   | N-Channel 60V 50A (Tc) 71W (Tc) Surface Mount                                         |
| Current - Continuous Drain (Id) @ 25°C | 50A (Tc)                                                                              |

You May Be Also Be interested

In:



Not Actual Photo  
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**STL51N3LLH5**  
N/A  
MOSFET N-CH 30V 51A  
POWERFLAT56



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**STL4P2UH7**  
N/A  
MOSFET P-CH 20V 4A  
PWRFLAT2X2



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**STL50NH3LL MOS**  
ST  
ST DFN-856



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**STL4N80K5**  
N/A  
MOSFET N-CH 800V  
8POWERFLAT



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**STL50NH3LL**  
N/A  
MOSFET N-CH 30V 27A  
PWRFLAT6X5



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**STL52N25M5**  
N/A  
MOSFET N-CH 250V 28A  
POWERFLAT



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**STL4P3LLH6**  
N/A  
MOSFET P-CH 30V 4A  
POWERFLAT



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**STL4N10F7**  
N/A  
MOSFET N-CH 100V 4.5A  
8PWRFLAT

STL50N6F7 Related keyword

|                      |                        |                       |                 |                        |
|----------------------|------------------------|-----------------------|-----------------|------------------------|
| STL50N6F7            | STL50N6F7 Data Sheet   | STL50N6F7 Datasheets  | STL50N6F7 PDF   | STL50N6F7              |
| STL50N6F7 Electronic | STL50N6F7 Components   | STL50N6F7 Distributor | STL50N6F7 Image | STL50N6F7 Part         |
| STL50N6F7 Price      | STL50N6F7 Manufacturer | STL50N6F7 Picture     | STL50N6F7 Stock | STL50N6F7 Inventory    |
| STL50N6F7 New        | STL50N6F7 Original     | STL50N6F7 Warranted   | STL50N6F7 RFQ   | STL50N6F7 Order Online |

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