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| <br>life.augmented | <b>Manufacturer Part Number:</b> STU6N65K3   |
|   | <b>Manufacturer/Brand:</b> STMicroelectronics  |
|                    | <b>Part of Description:</b> MOSFET N-CH 650V 5.4A IPAK   |
|   | <b>Datasheets:</b>  <a href="#">STU6N65K3.pdf</a> |
|   | <b>RoHS Status:</b>  Lead free / RoHS             |
|   | <b>Stock Condition:</b> Compliant<br>New original, 2723 pcs Stock Available.   |
|   | <b>Ship From:</b> Hong Kong  |
| Image may be representation.<br>See specs for product details.                                      | <b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS   |

### Specifications

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| Part Number                            | STU6N65K3  |
| Manufacturer                           | STMicroelectronics   |
| Description                            | MOSFET N-CH 650V 5.4A IPAK   |
| Category                               | <a href="#">Discrete Semiconductor Products</a> > <a href="#">Transistors - FETs</a> , |
| Part Status                            | 2723 pcs Stock   |
| Vgs(th) (Max) @ Id                     | 4.5V @ 50µA  |
| Vgs (Max)                              | ±30V   |
| Technology                             | MOSFET (Metal Oxide)   |
| Supplier Device Package                | I-Pak  |
| Series                                 | SuperMESH3™  |
| Rds On (Max) @ Id, Vgs                 | 1.3 Ohm @ 2.7A, 10V  |
| Power Dissipation (Max)                | 110W (Tc)  |
| Packaging                              | Tube   |
| Package / Case                         | TO-251-3 Short Leads, IPak, TO-251AA   |
| Operating Temperature                  | 150°C (TJ)   |
| Mounting Type                          | Through Hole   |
| Input Capacitance (Ciss) (Max) @ Vds   | 880pF @ 50V  |
| Gate Charge (Qg) (Max) @ Vgs           | 33nC @ 10V   |
| FET Type                               | N-Channel  |
| FET Feature                            | -  |
| Drive Voltage (Max Rds On, Min Rds On) | 10V  |
| Drain to Source Voltage (Vdss)         | 650V   |
| Current - Continuous Drain (Id) @ 25°C | 5.4A (Tc)  |

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