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|  life.augmented | STP6NK90ZFP |
| | Manufacturer Part Number: STP6NK90ZFP |
|  | Manufacturer/Brand: STMicroelectronics |
| | Part of Description: MOSFET N-CH 900V 5.8A TO-220FP |
| | Datasheets:  STP6NK90ZFP.pdf |
| | RoHs Status:  Lead free / RoHS |
| | Stock Condition: Compliant New original, 9657 pcs Stock Available. |
| | Ship From: Hong Kong |
| Image may be representation. See specs for product details. | Shipment Way: DHL/Fedex/TNT/UPS/EMS |

Specifications

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| Part Number | STP6NK90ZFP |
| Manufacturer | STMicroelectronics |
| Description | MOSFET N-CH 900V 5.8A TO-220FP |
| Category | Discrete Semiconductor Products > Transistors - FETs , |
| Part Status | 9657 pcs Stock |
| Vgs(th) (Max) @ Id | 4.5V @ 100µA |
| Vgs (Max) | ±30V |
| Technology | MOSFET (Metal Oxide) |
| Supplier Device Package | TO-220FP |
| Series | SuperMESH™ |
| Rds On (Max) @ Id, Vgs | 2 Ohm @ 2.9A, 10V |
| Power Dissipation (Max) | 30W (Tc) |
| Packaging | Tube |
| Package / Case | TO-220-3 Full Pack |
| Operating Temperature | -55°C ~ 150°C (TJ) |
| Mounting Type | Through Hole |
| Input Capacitance (Ciss) (Max) @ Vds | 1350pF @ 25V |
| Gate Charge (Qg) (Max) @ Vgs | 60.5nC @ 10V |
| FET Type | N-Channel |
| FET Feature | - |
| Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Drain to Source Voltage (Vdss) | 900V |
| Current - Continuous Drain (Id) @ 25°C | 5.8A (Tc) |

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