

N-channel Supermeshpower Mosfet

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|---------------|---|
| Manufacturers | STMicroelectronics, Inc |
| Package/Case | TO-247 |
| Product Type | Transistors |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for STW18NK80Z or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

STW18NK80Z is a power MOSFET transistor manufactured by STMicroelectronics. It is designed for high-voltage, high-speed power switching applications, such as power supplies, motor control, and lighting systems.

Features

Drain-source voltage (V_{dss}) of 800V

Continuous drain current (I_d) of 18A

Low on-resistance (R_{ds(on)}) of 0.35 ohms

Fast switching speed (t_{rr}) of 56ns

TO-247 package

Application

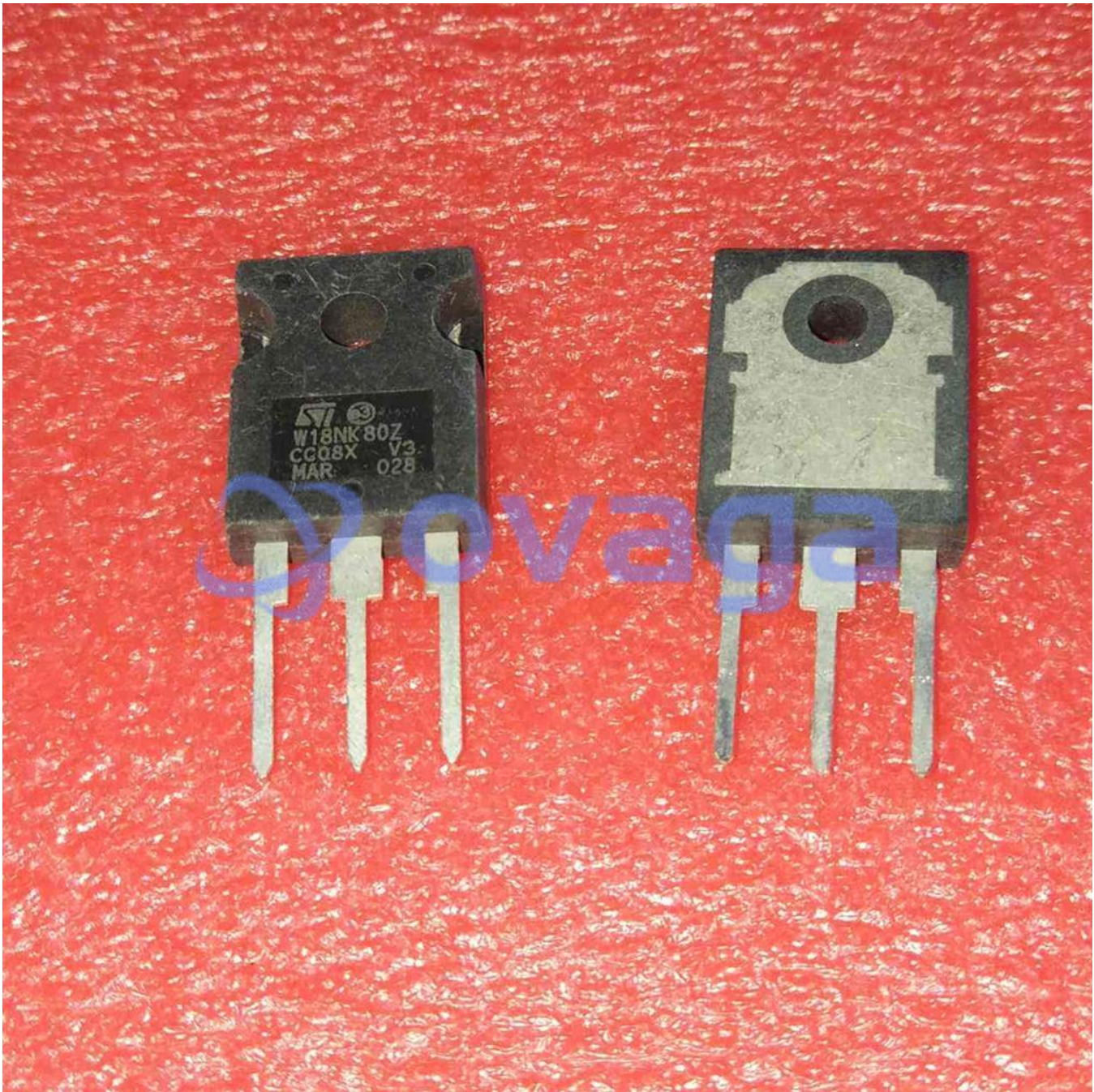
AC-DC and DC-DC converters

Switch-mode power supplies

Motor control (drives, inverters)

Lighting systems (LED drivers, ballasts)





Related Products



[STP42N65M5](#)

STMicroelectronics, Inc
TO-220FP



[STN3NF06](#)

STMicroelectronics, Inc
SOT-223



[STP11NM60FD](#)

STMicroelectronics, Inc
TO-220



[STP11NK50Z](#)

STMicroelectronics, Inc
TO-220-3



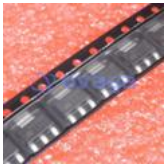
[STB75NF75](#)

STMicroelectronics, Inc
TO-263



[STN951](#)

STMicroelectronics, Inc
SOT-223



[STN9360](#)

STMicroelectronics, Inc
SOT-223



[STN83003](#)

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SOT-223