



STW15NM60ND Information



For Reference Only

Part Number STW15NM60ND
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 14A TO-247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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Certified Quality

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STW15NM60ND Specifications

| Manufacturer Part Number STW15NM60ND Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series FDmesh? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 40nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1250pF @ 50V Vgs (Max) 25V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 299 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | | |
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| FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1250pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs299 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3 | Package | TO-247-3 |
| TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1250pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs299 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3 | Series | FDmesh? II |
| Drain to Source Voltage (Vdss)600 VCurrent - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1250pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs299 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3 | FET Type | N-Channel |
| Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id St | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs40nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1250pF @ 50VVgs (Max)±25VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs299 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3 | Drain to Source Voltage (Vdss) | 600V |
| Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 40nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1250pF @ 50V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 299 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | Current - Continuous Drain (Id) @ 25°C | 14A (Tc) |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1250pF @ 50V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 299 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 299 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | Vgs(th) (Max) @ Id | 5V @ 250μA |
| Vgs (Max)±25VFET Feature-Power Dissipation (Max)125W (Tc)Rds On (Max) @ Id, Vgs299 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3 | Gate Charge (Qg) (Max) @ Vgs | 40nC @ 10V |
| FET Feature - Power Dissipation (Max) 125W (Tc) Rds On (Max) @ Id, Vgs 299 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | Input Capacitance (Ciss) (Max) @ Vds | 1250pF @ 50V |
| Power Dissipation (Max) Rds On (Max) @ Id, Vgs 299 mOhm @ 7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | Vgs (Max) | ±25V |
| Rds On (Max) @ Id, Vgs299 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3 | FET Feature | - |
| Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | Power Dissipation (Max) | 125W (Tc) |
| Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3 | Rds On (Max) @ Id, Vgs | 299 mOhm @ 7A, 10V |
| Supplier Device Package TO-247-3 Package / Case TO-247-3 | Operating Temperature | -55°C ~ 150°C (TJ) |
| Package / Case TO-247-3 | Mounting Type | Through Hole |
| | Supplier Device Package | TO-247-3 |
| Report errors? | Package / Case | TO-247-3 |
| | | Report errors? |

STW15NM60ND 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.

STW15NM60ND Payment Methods



















STW15NM60ND Shipping Methods













If you have any question about STW15NM60ND, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com