



### **STB15NM60N Information**



For Reference Only

Part Number STB15NM60N

Manufacturer STMicroelectronics

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 600V 14A D2PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

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



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# STB15NM60N Specifications

Manufacturer  Category  Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  Package  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series  MDmesh? II  FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  14A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  37nC @ 10V  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  Surface Mount  Supplier Device Package	M C D N 1	OTD 15ND 460N
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         MDmesh? 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         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         37nC @ 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         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	STB15NM60N
Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         MDmesh? 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         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         37nC @ 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         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	STMicroelectronics
Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         MDmesh? 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         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         37nC @ 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         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series         MDmesh? 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         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         37nC @ 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         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  14A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Supplier Device Package  Package / Case  N-Channel  N-Chanle  N-Channel  N-Channel  N-Channel  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Chanle  N-Chanle  N-Chanle  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-Chanle  N-Channel  N-Chanle  N-	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology  Drain to Source Voltage (Vdss)  600V  Current - Continuous Drain (Id) @ 25°C  14A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  **E25V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  MOSFET (Metal Oxide)  600V  14A (Tc)  14A (Tc)  14V  250μA  37nC @ 10V  1250pF @ 50V  ±25V  FC (10V  1250pF @ 50V  125V (Tc)  Surface Mount  Surface Mount  Supplier Device Package  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	MDmesh? II
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  14A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  **ET Feature**  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  **Operating Type  Surface Mount  Supplier Device Package  Package / Case  **Ose  14A (Tc)  16V  16V  16V  16V  17V  17V  17V  17V	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 14A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4V @ 250μA  Gate Charge (Qg) (Max) @ Vgs 37nC @ 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 Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  37nC @ 10V  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  Surface Mount  Supplier Device Package  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id  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  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	14A (Tc)
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Input Capacitance (Ciss) (Max) @ Vds  1250pF @ 50V  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  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	4V @ 250μA
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 Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	37nC @ 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  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs299 mOhm @ 7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	125W (Tc)
Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	299 mOhm @ 7A, 10V
Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

#### STB15NM60N 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.

## STB15NM60N Payment Methods



















### STB15NM60N Shipping Methods













If you have any question about STB15NM60N, please do not hesitate to contact us!

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