



STB30N80K5 Information

Part Number STB30N80K5

Manufacturer STMicroelectronics

Heisener.com

For Reference Only

Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description

Category

MOSFET N-CH 800V 24A D2PAK

Package

TO-263-3, D2Pak (2 Leads + Tab), TO-263AB For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









STB30N80K5 Specifications

Manufacturer Part Number STB 30N80K5 Manufacturer STMicroelectronics Category Discrete Semiconductor Products Ferror Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series MDmesh? K5 FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 800V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 100µA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1530pF @ 100V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 250W (Tc) Rds On (Max) @ Id, Vgs 180 mOhm @ 12A, 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 Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series MDmesh? K5 FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 800V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Stv @ 100µA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1530pF @ 100V Vgs (Max) ### ### ### ### ### ### ### ### ### #	Manufacturer Part Number	STB30N80K5
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PackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesMDmesh? K5FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)800VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 100μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1530pF @ 100VVgs (Max)±30VFET Feature-Power Dissipation (Max)250W (Tc)Rds On (Max) @ Id, Vgs180 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
SeriesMDmesh? K5FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)800VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 100μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1530pF @ 100VVgs (Max)±30VFET Feature-Power Dissipation (Max)250W (Tc)Rds On (Max) @ Id, Vgs180 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type MOSFET (Metal Oxide) Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 800V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 100µA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1530pF @ 100V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 250W (Tc) Rds On (Max) @ Id, Vgs 180 mOhm @ 12A, 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	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 800V 24A (Tc) 25OµA 24A (Tc) 24A (Tc) 24A (Tc) 24A (Tc) 24A (Tc) 24A (Tc) 25OµA 24A (Tc) 24A (Tc) 26 27 27 27 27 27 27 27 27 27	Series	MDmesh? K5
Drain to Source Voltage (Vdss)800VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 100μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1530pF @ 100VVgs (Max)±30VFET Feature-Power Dissipation (Max)250W (Tc)Rds On (Max) @ Id, Vgs180 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 100μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1530pF @ 100VVgs (Max)±30VFET Feature-Power Dissipation (Max)250W (Tc)Rds On (Max) @ Id, Vgs180 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id St @ 100μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Iso mOhm @ 12A, 10V Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	800V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) And Capacitance (Ciss) (Max) @ Vds 250W (Tc) Rds On (Max) @ Id, Vgs Iso mOhm @ 12A, 10V Operating Temperature Jupit Capacitance (Ciss) (Max) @ Vds Surface Mount Supplier Device Package D2PAK TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	24A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1530pF @ 100V Vgs (Max) ±30V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 180 mOhm @ 12A, 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	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 180 mOhm @ 12A, 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	5V @ 100μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)250W (Tc)Rds On (Max) @ Id, Vgs180 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	43nC @ 10V
FET Feature - Power Dissipation (Max) 250W (Tc) Rds On (Max) @ Id, Vgs 180 mOhm @ 12A, 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	1530pF @ 100V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 180 mOhm @ 12A, 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)	±30V
Rds On (Max) @ Id, Vgs 180 mOhm @ 12A, 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	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)	250W (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	180 mOhm @ 12A, 10V
Supplier Device Package D2PAK Package / Case D2PAK 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
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STB30N80K5 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.

STB30N80K5 Payment Methods





















STB30N80K5 Shipping Methods













If you have any question about STB30N80K5, please do not hesitate to contact us!

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