



STB80NF55L-06T4 Information



For Reference Only

Part Number STB80NF55L-06T4 **Manufacturer** STMicroelectronics

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 55V 80A 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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STB80NF55L-06T4 Specifications

Manufacturer Part Number STB80NF55L-06T4 Manufacturer STMicroelectronics Category Discrete Semiconductor Products Fransistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series STripFET? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 136nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series StripFET? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) StV Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 11V @ 250µA Gate Charge (Qg) (Max) @ Vgs 136nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	STB80NF55L-06T4
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series STripFET? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 1 V @ 250μA Gate Charge (Qg) (Max) @ Vgs 136nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°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 STripFET? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C BoA (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 - Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series STripFET? II FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 136nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature 5.5°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TOSOC A 100 A		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) 55V Current - Continuous Drain (Id) @ 25°C 80A (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 6.5 mOhm @ 40A, 10V Operating Temperature Supplier Device Package D2PAK Package / Case MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide) 8MOSFET (Metal Oxide) 8MOSFET (Metal Oxide) 8MOSFET (Metal Oxide) 8DV 8DV 8DV 8DV 8DV 8DV 8DV 8D	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs136nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4850pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs6.5 mOhm @ 40A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	STripFET? II
Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs136nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4850pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs6.5 mOhm @ 40A, 10VOperating Temperature-55°C ~ 175°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°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 136nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°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 Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°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)	55V
Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 136nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°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	80A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4850pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°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 4850pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°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	1V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs6.5 mOhm @ 40A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	136nC @ 5V
FET Feature - 300W (Tc) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case T0-263-3, D2Pak (2 Leads + Tab), T0-263AB	Input Capacitance (Ciss) (Max) @ Vds	4850pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 6.5 mOhm @ 40A, 10V Operating Temperature -55°C ~ 175°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 ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	300W (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	6.5 mOhm @ 40A, 10V
Supplier Device Package D2PAK Package / Case D2PAK TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°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?

STB80NF55L-06T4 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.

STB80NF55L-06T4 Payment Methods



















STB80NF55L-06T4 Shipping Methods













If you have any question about STB80NF55L-06T4, please do not hesitate to contact us!

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