



### STB80NF55-08AG Information

Heisener.com

**Part Number** STB80NF55-08AG **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

For Reference Only

Website: https://www.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.









## STB80NF55-08AG Specifications

Manufacturer         STMicroelectronics           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         55V           Current - Continuous Drain (Id) @ 25°C         80A           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         112nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         -           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         -           Rds On (Max) @ Id, Vgs         -           Operating Temperature         -           Mounting Type         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
Discrete Semiconductor Products	Manufacturer Part Number	STB80NF55-08AG
Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 80A Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 112nC @ 10V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) - FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs - Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	STMicroelectronics
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series -  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 55V  Current - Continuous Drain (Id) @ 25°C 80A  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id -  Gate Charge (Qg) (Max) @ Vgs 112nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds -  Vgs (Max) -  FET Feature -  Power Dissipation (Max) -  Rds On (Max) @ Id, Vgs -  Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series - N-Channel  Technology MOSFET (Metal Oxide)  Train to Source Voltage (Vdss) 55V  Current - Continuous Drain (Id) @ 25°C 80A  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 112nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max)  - CFET Feature - Power Dissipation (Max) - CFET Feature - Power Dissipation (Max) - CFET Feature - CFET Fe		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  80A  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  Mounting Type  Surface Mount  D2PAK  Package / Case  N-Channel  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  15V  80A  10V	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  80A  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  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  MOSFET (Metal Oxide)  55V  80A  -  80A  -  10V  - 80A  -  - 80A  - 80  - 8	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  80A  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 Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 80A  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 112nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) - FET Feature - Power Dissipation (Max) - Rds On (Max) @ Id, Vgs - Operating Temperature - 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  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  D2PAK  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	55V
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  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	80A
Gate Charge (Qg) (Max) @ Vgs	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	-
Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	112nC @ 10V
FET Feature - Power Dissipation (Max) - Rds On (Max) @ Id, Vgs - Operating Temperature - Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	-
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  T0-263-3, D2Pak (2 Leads + Tab), T0-263AB	Vgs (Max)	-
Rds On (Max) @ Id, Vgs - Operating Temperature - Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	-
Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	-
Supplier Device Package  D2PAK  Package / Case  D2PAK  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-
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?

#### STB80NF55-08AG 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.

### STB80NF55-08AG Payment Methods



















# STB80NF55-08AG Shipping Methods













If you have any question about STB80NF55-08AG, please do not hesitate to contact us!

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