



#### **HUF75545S3S Information**



For Reference Only

Part Number HUF75545S3S

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor Products<br/>Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 80V 75A 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



Request a Quote

## **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.









## **HUF75545S3S Specifications**

Manufacturer Part Number         HUF7554583S           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         UltraFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         80V           Current - Continuous Drain (Id) @ 25°C         75A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         235nC @ 20V           Input Capacitance (Ciss) (Max) @ Vds         3750pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         270W (Tc)           Rds On (Max) @ Id, Vgs         10 mOhm @ 75A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (TO-263AB)           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 UltraFET? FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 80V  Current - Continuous Drain (Id) @ 25°C 75A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4v @ 250µA  Gate Charge (Qg) (Max) @ Vgs 235nC @ 20V  Input Capacitance (Ciss) (Max) @ Vds 3750pF @ 25V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 10 mOhm @ 75A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	HUF75545S3S
Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         UltraFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         80V           Current - Continuous Drain (Id) @ 25°C         75A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         235nC @ 20V           Input Capacitance (Ciss) (Max) @ Vds         3750pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         270W (Tc)           Rds On (Max) @ Id, Vgs         10 mOhm @ 75A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (TO-263AB)           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	Fairchild/ON Semiconductor
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Series UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 80V Current - Continuous Drain (Id) @ 25°C 75A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 235nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 3750pF @ 25V Vgs (Max)  FET Feature - Power Dissipation (Max) 270W (Tc) Rds On (Max) @ Id, Vgs 10 mOhm @ 75A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case	Category	Discrete Semiconductor Products
Series UltraFET?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 80V  Current - Continuous Drain (Id) @ 25°C 75A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 235nC @ 20V  Input Capacitance (Ciss) (Max) @ Vds 3750pF @ 25V  Vgs (Max) ±20V  FET Feature  Power Dissipation (Max) 270W (Tc)  Rds On (Max) @ Id, Vgs 10 mOhm @ 75A, 10V  Operating Temperature 55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case Tootinuous Drain (Id) WOSFET (Metal Oxide)  N-Channel MOSFET (Metal Oxide)  80V  **Channel  **Operation (Id) (Id) (Id) (Id) (Id) (Id) (Id) (Id)		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  Prain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  75A (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  10 mOhm @ 75A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)80VCurrent - Continuous Drain (Id) @ 25°C75A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs235nC @ 20VInput Capacitance (Ciss) (Max) @ Vds3750pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)270W (Tc)Rds On (Max) @ Id, Vgs10 mOhm @ 75A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	UltraFET?
Drain to Source Voltage (Vdss)80VCurrent - Continuous Drain (Id) @ 25°C75A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs235nC @ 20VInput Capacitance (Ciss) (Max) @ Vds3750pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)270W (Tc)Rds On (Max) @ Id, Vgs10 mOhm @ 75A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  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  10 mOhm @ 75A, 10V  Operating Temperature  Surplier Device Package  Package / Case  75A (Tc)  75A (Tc)	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  10 mOhm @ 75A, 10V  Operating Temperature  Operating Type  Surface Mount  Supplier Device Package  Package / Case  10 V @ 250µA  4V @ 250µA  235nC @ 20V  3750pF @ 25V  ±20V  FET Feature  -  Nounting Type  Surface Mount  D2PAK (TO-263AB)  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	80V
Vgs(th) (Max) @ Id       4V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       235nC @ 20V         Input Capacitance (Ciss) (Max) @ Vds       3750pF @ 25V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       270W (Tc)         Rds On (Max) @ Id, Vgs       10 mOhm @ 75A, 10V         Operating Temperature       -55°C ~ 175°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       D2PAK (TO-263AB)         Package / Case       TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	75A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  750pF @ 25V  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  10 mOhm @ 75A, 10V  Operating Temperature  Journal Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  Package / Case  235nC @ 20V  270W  10 mOhm @ 75V  250 C TJ)  Surface Mount  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)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  10 mOhm @ 75A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 270W (Tc)  Rds On (Max) @ Id, Vgs 10 mOhm @ 75A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	235nC @ 20V
FET Feature -  Power Dissipation (Max) 270W (Tc)  Rds On (Max) @ Id, Vgs 10 mOhm @ 75A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	3750pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  10 mOhm @ 75A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs10 mOhm @ 75A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-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 (TO-263AB)  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	270W (Tc)
Mounting Type Surface Mount  Supplier Device Package D2PAK (TO-263AB)  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	10 mOhm @ 75A, 10V
Supplier Device Package  D2PAK (TO-263AB)  Package / Case  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 (TO-263AB)
Damont amount?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?		Report errors?

#### **HUF75545S3S 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.

# **HUF75545S3S Payment Methods**





















### **HUF75545S3S Shipping Methods**













If you have any question about HUF75545S3S, please do not hesitate to contact us!

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