



HUFA75842S3S Information



For Reference Only

Part Number HUFA75842S3S

 Manufacturer
 Fairchild/ON Semiconductor

 Category
 Discrete Semiconductor Products

 Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 150V 43A 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.









HUFA75842S3S Specifications

Manufacturer Part Number HUFA75842S3S 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) 150V Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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) 150V Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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	HUFA75842S3S
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) 150V Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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) 150V Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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) 150V Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 10V Operating Temperature 55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case Tootinuous Drain (Id) WOSFC 150V Norther Most Package Mount Norther Type Norther Most Package Norther Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case N-Channel N-Chanle N-Chanle N-Chanle N-Channel N-Chanle N-Chanle N-Chanle N-Chanle N-Chanle N-Channel N-Chanle N-Chan	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 43A (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) ±20V 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 Max (Rds On (Max) (Ale Leads + Tab), TO-263AB)	Series	UltraFET?
Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C43A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs175nC @ 20VInput Capacitance (Ciss) (Max) @ Vds2730pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs42 mOhm @ 43A, 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 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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	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 42 mOhm @ 43A, 10V Operating Temperature Surpface Mount Supplier Device Package Package / Case 10V 4V @ 250μA 4V @ 250μ 42 T75nC @ 20V 2730pF @ 25V 2730pF	Drain to Source Voltage (Vdss)	150V
Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 175nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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	43A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case 175°C @ 20V 2730pF @ 25V 2730pF @ 2750pF @	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 2730pF @ 25V Vgs (Max) #20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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)±20VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs42 mOhm @ 43A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (TO-263AB)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	175nC @ 20V
FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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	2730pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 43A, 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, Vgs42 mOhm @ 43A, 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)	230W (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	42 mOhm @ 43A, 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)
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

HUFA75842S3S 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.

HUFA75842S3S Payment Methods



















HUFA75842S3S Shipping Methods













If you have any question about HUFA75842S3S, please do not hesitate to contact us!

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