



HUFA76429S3ST Information



For Reference Only

Part Number HUFA76429S3ST

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

Description MOSFET N-CH 60V 47A 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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HUFA76429S3ST Specifications

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) 60V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 46nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB)		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single	Manufacturer Part Number	HUFA76429S3ST
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) 60V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 46nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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) 60V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 46nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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	Category	Discrete Semiconductor Products
Series UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 46nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 47A (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) ±16V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 10V Operating Temperature Supplier Device Package D2PAK (TO-263AB) Package / Case N-Channel N-Chanle N-Channel N-Channel N-Channel N-Chanle N-Chanle N-Channel N-Channel N-Channel N-Chanle N-Chanle N-Channel N-Channel N-Channel N-Channel N-Channel N-Channel N-Channel N-Chanle N-Channel N-Channel N-Channel N-Channel N-Channel N-Chanle N-Channel	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 10V Operating Temperature 4.55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case MAX (To.) 47A (Tc) 47A (T	Series	UltraFET?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 47A (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 Mounting Type Surface Mount Supplier Device Package Package / Case 60V 47A (Tc) 47A	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 47A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 46nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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 22 mOhm @ 47A, 10V Operating Temperature Journal of Type Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 46nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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	47A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±16V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 10V Operating Temperature Journal Temperature Surface Mount Supplier Device Package D2PAK (TO-263AB) Package / Case 46nC @ 10V 1480pF @ 25V 1480pF @ 25V 1480pF @ 25V 25V 25V 16V 170 Surface Mount 110W (Tc) Surface Mount 110W (Tc) 110W (T	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 1480pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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	3V @ 250μA
Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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	46nC @ 10V
FET Feature Power Dissipation (Max) 110W (Tc) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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	1480pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 22 mOhm @ 47A, 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)	±16V
Rds On (Max) @ Id, Vgs22 mOhm @ 47A, 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)	110W (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	22 mOhm @ 47A, 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?

HUFA76429S3ST 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.

HUFA76429S3ST Payment Methods



















HUFA76429S3ST Shipping Methods













If you have any question about HUFA76429S3ST, please do not hesitate to contact us!

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