



HUFA76409D3ST Information



For Reference Only

Part Number HUFA76409D3ST

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

Description MOSFET N-CH 60V 18A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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



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HUFA76409D3ST Specifications

Manufacturer Part Number HUFA76409D3ST Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series Automotive, AEC-Q101, UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 18A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 15nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 485pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 49W (Tc) Rds On (Max) @ Id, Vgs 63 mOhm @ 18A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case TO-252-A, DPak (2 Leads + Tab), SC-63		
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C18A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds485pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)49W (Tc)Rds On (Max) @ Id, Vgs63 mOhm @ 18A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252AAPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	Automotive, AEC-Q101, UltraFET?
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C18A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds485pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)49W (Tc)Rds On (Max) @ Id, Vgs63 mOhm @ 18A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252AAPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	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 63 mOhm @ 18A, 10V Operating Temperature Surplier Device Package Package / Case 18A (Tc) 19V 4.5V, 10V 4.5V, 10V 485pF @ 25V 50 (To) Surface Mount 16V 16V 16V 16V 16V 16V 16V 16	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds485pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)49W (Tc)Rds On (Max) @ Id, Vgs63 mOhm @ 18A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252AAPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +16V FET Feature - Power Dissipation (Max) Ags (Max) 49W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252-A Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	18A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 485pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 63 mOhm @ 18A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 485pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 49W (Tc) Rds On (Max) @ Id, Vgs 63 mOhm @ 18A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	3V @ 250μA
Vgs (Max) $\pm 16V$ FET Feature-Power Dissipation (Max) $49W$ (Tc)Rds On (Max) @ Id, Vgs 63 mOhm @ $18A$, $10V$ Operating Temperature -55° C ~ 175° C (TJ)Mounting TypeSurface MountSupplier Device PackageTO- $252AA$ Package / CaseTO- $252-3$, DPak (2 Leads + Tab), SC- 63	Gate Charge (Qg) (Max) @ Vgs	15nC @ 10V
FET Feature - Power Dissipation (Max) 49W (Tc) Rds On (Max) @ Id, Vgs 63 mOhm @ 18A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	485pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 63 mOhm @ 18A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±16V
Rds On (Max) @ Id, Vgs 63 mOhm @ 18A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	49W (Tc)
Mounting Type Surface Mount TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	63 mOhm @ 18A, 10V
Supplier Device Package TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	TO-252AA
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

HUFA76409D3ST 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.

HUFA76409D3ST Payment Methods



















HUFA76409D3ST Shipping Methods













If you have any question about HUFA76409D3ST, please do not hesitate to contact us!

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