



HUFA75617D3S Information



For Reference Only

Part Number HUFA75617D3S

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

Description MOSFET N-CH 100V 16A DPAK **Package** TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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HUFA75617D3S Specifications

Manufacturer Part Number HUFA75617D3S Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 39nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 64W (Tc) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case TO-252A, DPak (2 Leads + Tab), SC-63		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA 39nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Add (Max) @ Id, Vgs 90 mOhm @ 16A, 10V Operating Temperature Supplier Device Package TO-252-A, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	HUFA75617D3S
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 39nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 64W (Tc) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 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	Manufacturer	Fairchild/ON Semiconductor
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 39nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 64W (Tc) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 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	Category	Discrete Semiconductor Products
Series UltraFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 39nC @ 20V Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) 64W (Tc) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252AA Package / Case Too. 252-A, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs39nC @ 20VInput Capacitance (Ciss) (Max) @ Vds570pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)64W (Tc)Rds On (Max) @ Id, Vgs90 mOhm @ 16A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252AAPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs39nC @ 20VInput Capacitance (Ciss) (Max) @ Vds570pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)64W (Tc)Rds On (Max) @ Id, Vgs90 mOhm @ 16A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252AAPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	UltraFET?
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs39nC @ 20VInput Capacitance (Ciss) (Max) @ Vds570pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)64W (Tc)Rds On (Max) @ Id, Vgs90 mOhm @ 16A, 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 Operating Temperature For Type Surface Mount Supplier Device Package Package / Case 16A (Tc) 16A (Tc) 16A (Tc) 16A (Tc) 16V 4V @ 250µA 39nC @ 20V 570pF @ 25V 420V 570pF @ 25V 420V 570pF @ 25V 570pF @ 25	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs39nC @ 20VInput Capacitance (Ciss) (Max) @ Vds570pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)64W (Tc)Rds On (Max) @ Id, Vgs90 mOhm @ 16A, 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)	100V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 64W (Tc) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 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	Current - Continuous Drain (Id) @ 25°C	16A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 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)	10V
Input Capacitance (Ciss) (Max) @ Vds 570pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 64W (Tc) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 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	4V @ 250μA
Vgs (Max) $\pm 20\text{V}$ FET Feature-Power Dissipation (Max) 64W (Tc)Rds On (Max) @ Id, Vgs $90 \text{ mOhm } @ 16\text{A}, 10\text{V}$ Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252AAPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	39nC @ 20V
FET Feature - G4W (Tc) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 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	570pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 90 mOhm @ 16A, 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)	±20V
Rds On (Max) @ Id, Vgs90 mOhm @ 16A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252AAPackage / CaseTO-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)	64W (Tc)
Mounting Type Surface Mount TO-252AA Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	90 mOhm @ 16A, 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?

HUFA75617D3S 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.

HUFA75617D3S Payment Methods

































If you have any question about HUFA75617D3S, please do not hesitate to contact us!

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