

FDH50N50_F133 Information



For Reference Only

Part Number FDH50N50_F133

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

Description MOSFET N-CH 500V 48A TO-247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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FDH50N50_F133 Specifications

Manufacturer Part Number FDH50N50_F133 Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-247-3 Series UniFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 48A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 137nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 460pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 625W (Tc) Rds On (Max) @ Id, Vgs 105 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3		
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C48A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs137nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6460pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)625W (Tc)Rds On (Max) @ Id, Vgs105 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Series	UniFET?
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Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ 250μA Gate Charge (Qg) (Max) @ Vgs 137nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 105 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs137nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6460pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)625W (Tc)Rds On (Max) @ Id, Vgs105 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	48A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6460pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 105 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) E20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 105 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Vgs(th) (Max) @ Id	5V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)625W (Tc)Rds On (Max) @ Id, Vgs105 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	137nC @ 10V
FET Feature - Power Dissipation (Max) 625W (Tc) Rds On (Max) @ Id, Vgs 105 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	6460pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 105 mOhm @ 24A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs105 mOhm @ 24A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247Package / CaseTO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Power Dissipation (Max)	625W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	105 mOhm @ 24A, 10V
Supplier Device Package TO-247 Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	TO-247
Report errors?	Package / Case	TO-247-3
		Report errors?

FDH50N50_F133 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.

FDH50N50_F133 Payment Methods



















FDH50N50_F133 Shipping Methods













If you have any question about FDH50N50_F133, please do not hesitate to contact us!

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