

FDS4465 Information



For Reference Only

Part Number FDS4465

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

DescriptionMOSFET P-CH 20V 13.5A 8-SOIC**Package**8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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FDS4465 Specifications

Manufacturer Part Number FDS4465 Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series PowerTrench? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 13.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 120nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 8237pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 2.5W (Ta) Rds On (Max) @ Id, Vgs 8.5 mOhm @ 13.5A, 4.5V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)		
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C13.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs120nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds8237pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2.5W (Ta)Rds On (Max) @ Id, Vgs8.5 mOhm @ 13.5A, 4.5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Series	PowerTrench?
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C13.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs120nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds8237pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2.5W (Ta)Rds On (Max) @ Id, Vgs8.5 mOhm @ 13.5A, 4.5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 1.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 120nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 8237pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.5 mOhm @ 13.5A, 4.5V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs120nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds8237pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)2.5W (Ta)Rds On (Max) @ Id, Vgs8.5 mOhm @ 13.5A, 4.5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8237pF @ 10V Vgs (Max) 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 8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	13.5A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8237pF @ 10V Vgs (Max) ±8V 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 120nC @ 4.5V 8237pF @ 10V 8237pF @ 10V 825V ENV ENV ENV ENV ENV ENV ENV E	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET 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 8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	1.5V @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)2.5W (Ta)Rds On (Max) @ Id, Vgs8.5 mOhm @ 13.5A, 4.5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	120nC @ 4.5V
FET Feature - Power Dissipation (Max) 2.5W (Ta) Rds On (Max) @ Id, Vgs 8.5 mOhm @ 13.5A, 4.5V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	8237pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.5 mOhm @ 13.5A, 4.5V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs8.5 mOhm @ 13.5A, 4.5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	2.5W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	8.5 mOhm @ 13.5A, 4.5V
Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SO
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

FDS4465 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.

FDS4465 Payment Methods



















FDS4465 Shipping Methods













If you have any question about FDS4465, please do not hesitate to contact us!

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