



### **FDR844P Information**

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Part Number FDR844P

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For Reference Only

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 20V 10A SSOT-8

Package 8-SMD, Gull Wing

For the pricing/inventory/lead time, please contact

us

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



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# **FDR844P Specifications**

Manufacturer Part Number         FDR844P           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SMD, Gull Wing           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         10A (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         74nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         4951pF @ 10V           Vgs (Max)         4951pF @ 10V           Vgs (Max)         1.8W (Ta)           Rds On (Max) @ Id, Vgs         11 mOhm @ 10A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SMD, Gull Wing           Package / Case         8-SMD, Gull Wing		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SMD, Gull Wing Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 10A (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 174nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 4951pF @ 10V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11.8W (Ta) Rds On (Max) @ Id, Vgs 11.mOhm @ 10A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SMD, Gull Wing	Manufacturer Part Number	FDR844P
Package       8-SMD, Gull Wing         Series       -         FET Type       P-Channel         Technology       MOSFET (Metal Oxide)         Drain to Source Voltage (Vdss)       20V         Current - Continuous Drain (Id) @ 25°C       10A (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       74nC @ 4.5V         Input Capacitance (Ciss) (Max) @ Vds       4951pF @ 10V         Vgs (Max)       ±8V         FET Feature       -         Power Dissipation (Max)       1.8W (Ta)         Rds On (Max) @ Id, Vgs       11 mOhm @ 10A, 4.5V         Operating Temperature       -55°C ~ 150°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       SuperSOT?-8         Package / Case       8-SMD, Gull Wing	Manufacturer	Fairchild/ON Semiconductor
Package8-SMD, Gull WingSeries-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C10A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs74nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds4951pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.8W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 10A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-8Package / Case8-SMD, Gull Wing	Category	Discrete Semiconductor Products
Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C10A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs74nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds4951pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.8W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 10A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-8Package / Case8-SMD, Gull Wing		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 10A (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 74nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 4951pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 1.8W (Ta) Rds On (Max) @ Id, Vgs 11 mOhm @ 10A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-8 Package / Case 8-SMD, Gull Wing	Package	8-SMD, Gull Wing
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C10A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs74nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds4951pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.8W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 10A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-8Package / Case8-SMD, Gull Wing	Series	-
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C10A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs74nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds4951pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.8W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 10A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-8Package / Case8-SMD, Gull Wing	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  74nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds  4951pF @ 10V  Vgs (Max)  ±8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  11 mOhm @ 10A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SMD, Gull Wing	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs74nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds4951pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.8W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 10A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-8Package / Case8-SMD, Gull Wing	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  74nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds  4951pF @ 10V  Vgs (Max)  ET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  11 mOhm @ 10A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SMD, Gull Wing	Current - Continuous Drain (Id) @ 25°C	10A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  4951pF @ 10V  Vgs (Max)  ±8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  11 mOhm @ 10A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SMD, Gull Wing	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  11 mOhm @ 10A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SMD, Gull Wing	Vgs(th) (Max) @ Id	1.5V @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)1.8W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 10A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSuperSOT?-8Package / Case8-SMD, Gull Wing	Gate Charge (Qg) (Max) @ Vgs	74nC @ 4.5V
FET Feature - Rower Dissipation (Max) 1.8W (Ta) 1.8W (Ta) Rds On (Max) @ Id, Vgs 11 mOhm @ 10A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SuperSOT?-8 Package / Case 8-SMD, Gull Wing	Input Capacitance (Ciss) (Max) @ Vds	4951pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  11 mOhm @ 10A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  SuperSOT?-8  Package / Case  8-SMD, Gull Wing	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs 11 mOhm @ 10A, 4.5V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package SuperSOT?-8  Package / Case 8-SMD, Gull Wing	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  SuperSOT?-8  Package / Case  8-SMD, Gull Wing	Power Dissipation (Max)	1.8W (Ta)
Mounting Type Surface Mount Supplier Device Package SuperSOT?-8 Package / Case 8-SMD, Gull Wing	Rds On (Max) @ Id, Vgs	11 mOhm @ 10A, 4.5V
Supplier Device Package SuperSOT?-8 Package / Case 8-SMD, Gull Wing	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SMD, Gull Wing	Mounting Type	Surface Mount
	Supplier Device Package	SuperSOT?-8
Report errors?	Package / Case	8-SMD, Gull Wing
		Report errors?

### **FDR844P 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.

## **FDR844P Payment Methods**





















### **FDR844P Shipping Methods**













If you have any question about FDR844P, please do not hesitate to contact us!

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