



### FDMS86580\_F085 Information



For Reference Only

Part Number FDMS86580\_F085

 Manufacturer
 Fairchild/ON Semiconductor

 Category
 Discrete Semiconductor Products

 Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 60V 50A POWER56

Package 8-PowerTDFN

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## FDMS86580\_F085 Specifications

Manufacturer Part Number	FDMS86580_F085
Manufacturer	Fairchild/ON Semiconductor
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	8-PowerTDFN
Series	Automotive, AEC-Q101, PowerTrench?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	60V
Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4.2V @ 250μA
Gate Charge (Qg) (Max) @ Vgs	30nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	1430pF @ 30V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	75W (Tj)
Rds On (Max) @ Id, Vgs	9.6 mOhm @ 50A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	Power56
Package / Case	8-PowerTDFN
	Report errors?

### FDMS86580\_F085 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.

### FDMS86580\_F085 Payment Methods



















### FDMS86580\_F085 Shipping Methods













If you have any question about FDMS86580\_F085, please do not hesitate to contact us!

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