

FDMS86381_F085 Information


For Reference Only

Part Number [FDMS86381_F085](#)
Manufacturer Fairchild/ON Semiconductor
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description POWER TRENCH MOSFET
Package 8-PowerTDFN
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


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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.


FDMS86381_F085 Specifications

Manufacturer Part Number	FDMS86381_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 (V _{ds})	80V
Current - Continuous Drain (I _d) @ 25°C	30A (T _c)
Drive Voltage (Max R _{ds} On, Min R _{ds} On)	10V
V _{gs} (th) (Max) @ I _d	4V @ 250μA
Gate Charge (Q _g) (Max) @ V _{gs}	21nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	866pF @ 40V
V _{gs} (Max)	±20V
FET Feature	-
Power Dissipation (Max)	50W (T _j)
R _{ds} On (Max) @ I _d , V _{gs}	22 mOhm @ 30A, 10V
Operating Temperature	-55°C ~ 175°C (T _J)
Mounting Type	Surface Mount
Supplier Device Package	Power56
Package / Case	8-PowerTDFN

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FDMS86381_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.

FDMS86381_F085 Payment Methods



FDMS86381_F085 Shipping Methods



If you have any question about FDMS86381_F085, please do not hesitate to contact us!

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