







	<h2 style="color: red;">FDD86580_F085</h2> <p><b>Manufacturer Part Number:</b> <a href="#">FDD86580_F085</a></p> <hr/> <p><b>Manufacturer/Brand:</b> <a href="#">Fairchild/ON Semiconductor</a></p> <hr/> <p><b>Part of Description:</b> MOSFET N-CH 60V 50A DPAK</p> <hr/> <p><b>Datasheets:</b>  <a href="#">FDD86580_F085.pdf</a></p> <hr/> <p><b>RoHS Status:</b>  Lead free / RoHS</p> <hr/> <p><b>Stock Condition:</b> Compliant New original, Stock Available.</p> <hr/> <p><b>Ship From:</b> Hong Kong</p> <hr/> <p><b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS</p>
	
<p>Image may be representation. See specs for product details.</p>	

### Specifications

Part Number	<a href="#">FDD86580_F085</a>
Manufacturer	<a href="#">Fairchild/ON Semiconductor</a>
Description	MOSFET N-CH 60V 50A DPAK
Category	<a href="#">Discrete Semiconductor Products &gt; Transistors - FETs,</a>
Part Status	<a href="#">Require For Quote &amp; Check Stock</a>
Vgs(th) (Max) @ Id	4.2V @ 250µA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	D-Pak
Series	Automotive, AEC-Q101, PowerTrench®
Rds On (Max) @ Id, Vgs	19 mOhm @ 50A, 10V
Power Dissipation (Max)	75W (Tj)
Packaging	Tape & Reel (TR)
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	1430pF @ 30V
Gate Charge (Qg) (Max) @ Vgs	30nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	60V
Current - Continuous Drain (Id) @ 25°C	50A (Tc)

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