




 	<h2 style="margin: 0;">FDD86381_F085</h2> <p>Manufacturer Part Number: FDD86381_F085</p> <hr/> <p>Manufacturer/Brand: Fairchild/ON Semiconductor</p> <hr/> <p>Part of Description: MOSFET N-CH 80V 25A DPAK</p> <hr/> <p>Datasheets:  FDD86381_F085.pdf</p> <hr/> <p>RoHS Status:  Lead free / RoHS</p> <hr/> <p>Stock Condition: Compliant New original, Stock Available.</p> <hr/> <p>Ship From: Hong Kong</p> <hr/> <p>Shipment Way: DHL/Fedex/TNT/UPS/EMS</p>
	
<p>Image may be representation. See specs for product details.</p>	

Specifications

Part Number	FDD86381_F085
Manufacturer	Fairchild/ON Semiconductor
Description	MOSFET N-CH 80V 25A DPAK
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	4V @ 250µA
Vgs (Max)	±20V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	D-PAK (TO-252AA)
Series	Automotive, AEC-Q101, PowerTrench®
Rds On (Max) @ Id, Vgs	21 mOhm @ 25A, 10V
Power Dissipation (Max)	48.4W (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	866pF @ 40V
Gate Charge (Qg) (Max) @ Vgs	21nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	80V
Current - Continuous Drain (Id) @ 25°C	25A (Tc)

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