


	Manufacturer Part Number: APT42F50S
	Manufacturer/Brand: Microsemi
	Part of Description: MOSFET N-CH 500V 42A D3PAK
	Datasheets:  APT42F50S.pdf
RoHS Status:  Lead free / RoHS	Stock Condition: Compliant New original, Stock Available.
Ship From: Hong Kong	Shipment Way: DHL/Fedex/TNT/UPS/EMS
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Specifications

Part Number	APT42F50S
Manufacturer	Microsemi
Description	MOSFET N-CH 500V 42A D3PAK
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	5V @ 1mA
Technology	MOSFET (Metal Oxide)
Supplier Device Package	D3Pak
Series	POWER MOS 8™
Rds On (Max) @ Id, Vgs	130 mOhm @ 21A, 10V
Power Dissipation (Max)	625W (Tc)
Packaging	Tube
Package / Case	TO-268-3, D ³ Pak (2 Leads + Tab), TO-268AA
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	6810pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	170nC @ 10V
FET Type	N-Channel
FET Feature	-
Drain to Source Voltage (Vdss)	500V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)

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