




	<h2 style="color: red;">APT42F50B</h2>	
	<b>Manufacturer Part Number:</b>	APT42F50B
	<b>Manufacturer/Brand:</b>	Microsemi
	<b>Part of Description:</b>	MOSFET N-CH 500V 42A TO-247
<b>Datasheets:</b>	<a href="#">1.APT42F50B.pdf</a> <a href="#">2.APT42F50B.pdf</a>	
<b>RoHs Status:</b>	 Lead free / RoHS	
<b>Stock Condition:</b>	Compliant New original, 16 pcs Stock Available.	
<b>Ship From:</b>	Hong Kong	
<b>Shipment Way:</b>	DHL/Fedex/TNT/UPS/EMS	
Image may be representation. See specs for product details.		

### Specifications

Part Number	APT42F50B
Manufacturer	Microsemi
Description	MOSFET N-CH 500V 42A TO-247
Category	<a href="#">Discrete Semiconductor Products</a> > <a href="#">Transistors - FETs</a> ,
Part Status	16 pcs Stock
Vgs(th) (Max) @ Id	5V @ 1mA
Vgs (Max)	±30V
Technology	MOSFET (Metal Oxide)
Supplier Device Package	TO-247 [B]
Series	POWER MOS 8™
Rds On (Max) @ Id, Vgs	130 mOhm @ 21A, 10V
Power Dissipation (Max)	625W (Tc)
Packaging	Tube
Package / Case	TO-247-3
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Through Hole
Input Capacitance (Ciss) (Max) @ Vds	6810pF @ 25V
Gate Charge (Qg) (Max) @ Vgs	170nC @ 10V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	10V
Drain to Source Voltage (Vdss)	500V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)

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<p><b>In:</b></p>  <p><b>APT41M80B2</b> Microsemi Corporation MOSFET N-CH 800V 43A T-MAX</p>	 <p><b>APT43F60B2</b> Microsemi Corporation MOSFET N-CH 600V 45A T-MAX</p>	 <p><b>APT41F100J</b> Microsemi Corporation MOSFET N-CH 1000V 41A SOT-227</p>	 <p><b>APT41M80L</b> Microsemi Corporation MOSFET N-CH 800V 43A TO-264</p>
 <p><b>APT40SM120J</b> Microsemi Corporation MOSFET N-CH 1200V 32A SOT227</p>	 <p><b>APT40SM120S</b> Microsemi Corporation MOSFET N-CH 1200V 41A D3PAK</p>	 <p><b>APT42M60B2</b> APT APT42M60B2 APT</p>	 <p><b>APT43F60L</b> Microsemi Corporation MOSFET N-CH 600V 45A TO-264</p>

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