

	<h2 style="color: red;">APT40SM120B</h2>	
	<b>Manufacturer Part Number:</b>	<a href="#">APT40SM120B</a>
	<b>Manufacturer/Brand:</b>	<a href="#">Microsemi</a>
	<b>Part of Description:</b>	MOSFET N-CH 1200V 41A TO247
<p>Image may be representation. See specs for product details.</p>	<b>RoHs Status:</b>	 Lead free / RoHS
	<b>Stock Condition:</b>	Compliant New original, Stock Available.
	<b>Ship From:</b>	Hong Kong
	<b>Shipment Way:</b>	DHL/Fedex/TNT/UPS/EMS

### Specifications

Part Number	<a href="#">APT40SM120B</a>
Manufacturer	<a href="#">Microsemi</a>
Description	MOSFET N-CH 1200V 41A TO247
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	3V @ 1mA (Typ)
Vgs (Max)	+25V, -10V
Technology	SiC FET (Silicon Carbide)
Supplier Device Package	TO-247
Series	-
Rds On (Max) @ Id, Vgs	100 mOhm @ 20A, 20V
Power Dissipation (Max)	273W (Tc)
Packaging	Bulk
Package / Case	TO-247-3
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Input Capacitance (Ciss) (Max) @ Vds	2560pF @ 1000V
Gate Charge (Qg) (Max) @ Vgs	130nC @ 20V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	20V
Drain to Source Voltage (Vdss)	1200V (1.2kV)
Current - Continuous Drain (Id) @ 25°C	41A (Tc)

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 <p><b>APT40N60JCU3</b> Microsemi Corporation MOSFET N-CH 600V 40A SOT-227</p>	 <p><b>APT40SM120J</b> Microsemi Corporation MOSFET N-CH 1200V 32A SOT227</p>	 <p><b>APT41M80L</b> Microsemi Corporation MOSFET N-CH 800V 43A TO-264</p>	 <p><b>APT41F100J</b> Microsemi Corporation MOSFET N-CH 1000V 41A SOT-227</p>

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ADD: Unit A5-B5 No.509, 5/F Sing Win Factory Building, 15-17 Shing yip St, Kwun Tong, Kowloon, HongKong.

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