










	APT5SM170B
	Manufacturer Part Number: APT5SM170B
 <p>Not Actual Photo YIC International Co., Limited.</p>	Manufacturer/Brand: Microsemi
	Part of Description: MOSFET N-CH 700V TO247
<p>Image may be representation. See specs for product details.</p>	Datasheets:  APT5SM170B.pdf
	RoHS Status:  Lead free / RoHS
	Stock Condition: Compliant New original, Stock Available.
	Ship From: Hong Kong
	Shipment Way: DHL/Fedex/TNT/UPS/EMS

Specifications

Part Number	APT5SM170B
Manufacturer	Microsemi
Description	MOSFET N-CH 700V TO247
Category	Discrete Semiconductor Products > Transistors - FETs,
Part Status	Require For Quote & Check Stock
Vgs(th) (Max) @ Id	3.2V @ 500µA
Vgs (Max)	+25V, -10V
Technology	SiC FET (Silicon Carbide)
Supplier Device Package	TO-247
Series	-
Rds On (Max) @ Id, Vgs	1.25 Ohm @ 2.5A, 20V
Power Dissipation (Max)	65W (Tc)
Packaging	Tube
Package / Case	TO-247-3
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Input Capacitance (Ciss) (Max) @ Vds	249pF @ 1000V
Gate Charge (Qg) (Max) @ Vgs	21nC @ 20V
FET Type	N-Channel
FET Feature	-
Drive Voltage (Max Rds On, Min Rds On)	20V
Drain to Source Voltage (Vdss)	1700V
Detailed Description	N-Channel 1700V 5A (Tc) 65W (Tc) Through Hole TO-
Current - Continuous Drain (Id) @ 25°C	5A (Tc)

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