



### **APT40SM120B Information**



For Reference Only

Part Number APT40SM120B

Manufacturer Microsemi Corporation

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 1200V 41A TO247

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## **APT40SM120B Specifications**

Manufacturer Part Number	APT40SM120B
Manufacturer	Microsemi Corporation
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	TO-247-3
Series	-
FET Type	N-Channel
Technology	SiCFET (Silicon Carbide)
Drain to Source Voltage (Vdss)	1200V
Current - Continuous Drain (Id) @ 25°C	41A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	20V
Vgs(th) (Max) @ Id	3V @ 1mA (Typ)
Gate Charge (Qg) (Max) @ Vgs	130nC @ 20V
Input Capacitance (Ciss) (Max) @ Vds	2560pF @ 1000V
Vgs (Max)	+25V, -10V
FET Feature	-
Power Dissipation (Max)	273W (Tc)
Rds On (Max) @ Id, Vgs	100 mOhm @ 20A, 20V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-247
Package / Case	TO-247-3
	Report errors?

#### **APT40SM120B Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

# **APT40SM120B Payment Methods**



















## **APT40SM120B Shipping Methods**













If you have any question about APT40SM120B, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com