

APT80SM120S Information


For Reference Only

Part Number [APT80SM120S](#)
Manufacturer Microsemi Corporation
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description POWER MOSFET - SiC
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
 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.


APT80SM120S Specifications

Manufacturer Part Number	APT80SM120S
Manufacturer	Microsemi Corporation
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Series	-
FET Type	N-Channel
Technology	SiCFET (Silicon Carbide)
Drain to Source Voltage (Vdss)	1200V
Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	20V
Vgs(th) (Max) @ Id	2.5V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	235nC @ 20V
Input Capacitance (Ciss) (Max) @ Vds	-
Vgs (Max)	+25V, -10V
FET Feature	-
Power Dissipation (Max)	625W (Tc)
Rds On (Max) @ Id, Vgs	55 mOhm @ 40A, 20V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	D3Pak
Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

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APT80SM120S 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.

APT80SM120S Payment Methods



APT80SM120S Shipping Methods



If you have any question about APT80SM120S, please do not hesitate to contact us!

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