

C2M0045170D Information


For Reference Only

Part Number [C2M0045170D](#)
Manufacturer Cree/Wolfspeed
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET NCH 1.7KV 72A 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.


C2M0045170D Specifications

Manufacturer Part Number	C2M0045170D
Manufacturer	Cree/Wolfspeed
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-247-3
Series	C2M?
FET Type	N-Channel
Technology	SiCFET (Silicon Carbide)
Drain to Source Voltage (Vdss)	1700V
Current - Continuous Drain (Id) @ 25°C	72A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	20V
Vgs(th) (Max) @ Id	4V @ 18mA
Gate Charge (Qg) (Max) @ Vgs	188nC @ 20V
Input Capacitance (Ciss) (Max) @ Vds	3672pF @ 1kV
Vgs (Max)	+25V, -10V
FET Feature	-
Power Dissipation (Max)	520W (Tc)
Rds On (Max) @ Id, Vgs	70 mOhm @ 50A, 20V
Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-247-3
Package / Case	TO-247-3

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C2M0045170D 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.

C2M0045170D Payment Methods



C2M0045170D Shipping Methods



If you have any question about C2M0045170D, please do not hesitate to contact us!

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