

**CMF20120D Information**


For Reference Only

**Part Number** [CMF20120D](#)  
**Manufacturer** Cree/Wolfspeed  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 1200V 42A TO-247-3  
**Package** TO-247-3  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**CMF20120D Specifications**

Manufacturer Part Number	<a href="#">CMF20120D</a>
Manufacturer	Cree/Wolfspeed
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	TO-247-3
Series	Z-FET?
FET Type	N-Channel
Technology	SiCFET (Silicon Carbide)
Drain to Source Voltage (Vdss)	1200V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	20V
Vgs(th) (Max) @ Id	4V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	90.8nC @ 20V
Input Capacitance (Ciss) (Max) @ Vds	1915pF @ 800V
Vgs (Max)	+25V, -5V
FET Feature	-
Power Dissipation (Max)	215W (Tc)
Rds On (Max) @ Id, Vgs	110 mOhm @ 20A, 20V
Operating Temperature	-55°C ~ 135°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-247-3
Package / Case	TO-247-3

[Report errors?](#)

## CMF20120D 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.

## CMF20120D Payment Methods



## CMF20120D Shipping Methods



If you have any question about CMF20120D, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)