

**IRF8306MTR1PBF Information**


For Reference Only

**Part Number** [IRF8306MTR1PBF](#)  
**Manufacturer** Infineon Technologies  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 30V 23A DIRECTFET  
**Package** DirectFET? Isometric MX  
 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.


**IRF8306MTR1PBF Specifications**

Manufacturer Part Number	<a href="#">IRF8306MTR1PBF</a>
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	DirectFET? Isometric MX
Series	HEXFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	30V
Current - Continuous Drain (Id) @ 25°C	23A (Ta), 140A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.35V @ 100µA
Gate Charge (Qg) (Max) @ Vgs	38nC @ 4.5V
Input Capacitance (Ciss) (Max) @ Vds	4110pF @ 15V
Vgs (Max)	±20V
FET Feature	Schottky Diode (Body)
Power Dissipation (Max)	2.1W (Ta), 75W (Tc)
Rds On (Max) @ Id, Vgs	2.5 mOhm @ 23A, 10V
Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	DIRECTFET? MX
Package / Case	DirectFET? Isometric MX

[Report errors?](#)

## IRF8306MTR1PBF 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.

## IRF8306MTR1PBF Payment Methods



## IRF8306MTR1PBF Shipping Methods



If you have any question about IRF8306MTR1PBF, please do not hesitate to contact us!

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