

**IRF6709S2TR1PBF Information**


For Reference Only

**Part Number** [IRF6709S2TR1PBF](#)  
**Manufacturer** Infineon Technologies  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET N-CH 25V 12A DIRECTFET-S1  
**Package** DirectFET? Isometric S1  
 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.


**IRF6709S2TR1PBF Specifications**

Manufacturer Part Number	<a href="#">IRF6709S2TR1PBF</a>
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	DirectFET? Isometric S1
Series	HEXFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	25V
Current - Continuous Drain (Id) @ 25°C	12A (Ta), 39A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	2.35V @ 25µA
Gate Charge (Qg) (Max) @ Vgs	12nC @ 4.5V
Input Capacitance (Ciss) (Max) @ Vds	1010pF @ 13V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	1.8W (Ta), 21W (Tc)
Rds On (Max) @ Id, Vgs	7.8 mOhm @ 12A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	DIRECTFET S1
Package / Case	DirectFET? Isometric S1

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## IRF6709S2TR1PBF 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.

## IRF6709S2TR1PBF Payment Methods



## IRF6709S2TR1PBF Shipping Methods



If you have any question about IRF6709S2TR1PBF, please do not hesitate to contact us!

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