

IRF7946TR1PBF Information


For Reference Only

Part Number [IRF7946TR1PBF](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N CH 40V 90A DIRECTFET MX
Package DirectFET? Isometric MX
 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.


IRF7946TR1PBF Specifications

Manufacturer Part Number	IRF7946TR1PBF
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	DirectFET? Isometric MX
Series	HEXFET?, StrongIRFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40V
Current - Continuous Drain (Id) @ 25°C	90A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Vgs(th) (Max) @ Id	3.9V @ 150µA
Gate Charge (Qg) (Max) @ Vgs	212nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	6852pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	96W (Tc)
Rds On (Max) @ Id, Vgs	1.4 mOhm @ 90A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	DIRECTFET? MX
Package / Case	DirectFET? Isometric MX

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IRF7946TR1PBF 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.

IRF7946TR1PBF Payment Methods



IRF7946TR1PBF Shipping Methods



If you have any question about IRF7946TR1PBF, please do not hesitate to contact us!

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