

IRF6646TR1 Information


For Reference Only

Part Number [IRF6646TR1](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 80V 12A DIRECTFET
Package DirectFET? Isometric MN
 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.


IRF6646TR1 Specifications

Manufacturer Part Number	IRF6646TR1
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	DirectFET? Isometric MN
Series	HEXFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	80V
Current - Continuous Drain (Id) @ 25°C	12A (Ta), 68A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	4.9V @ 150µA
Gate Charge (Qg) (Max) @ Vgs	50nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	2060pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	2.8W (Ta), 89W (Tc)
Rds On (Max) @ Id, Vgs	9.5 mOhm @ 12A, 10V
Operating Temperature	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	DIRECTFET? MN
Package / Case	DirectFET? Isometric MN

[Report errors?](#)

IRF6646TR1 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.

IRF6646TR1 Payment Methods



IRF6646TR1 Shipping Methods



If you have any question about IRF6646TR1, please do not hesitate to contact us!

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