

IRFI7446GPBF Information


For Reference Only

Part Number [IRFI7446GPBF](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 40V 80A
Package TO-220-3 Full Pack
 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.


IRFI7446GPBF Specifications

Manufacturer Part Number	IRFI7446GPBF
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-220-3 Full Pack
Series	HEXFET?, StrongIRFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vds)	40V
Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs(th) (Max) @ Id	3.9V @ 100µA
Gate Charge (Qg) (Max) @ Vgs	90nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	3199pF @ 25V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	40.5W (Tc)
Rds On (Max) @ Id, Vgs	3.3 mOhm @ 48A, 10V
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-220AB Full-Pak
Package / Case	TO-220-3 Full Pack

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IRFI7446GPBF 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.

IRFI7446GPBF Payment Methods



IRFI7446GPBF Shipping Methods



If you have any question about IRFI7446GPBF, please do not hesitate to contact us!

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