

IRFP31N50LPBF Information


For Reference Only

Part Number [IRFP31N50LPBF](#)
Manufacturer Vishay Siliconix
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 500V 31A TO-247AC
Package TO-247-3
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


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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.


IRFP31N50LPBF Specifications

Manufacturer Part Number	IRFP31N50LPBF
Manufacturer	Vishay Siliconix
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-247-3
Series	-
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V _{dss})	500V
Current - Continuous Drain (I _d) @ 25°C	31A (T _c)
Drive Voltage (Max R _{ds On} , Min R _{ds On})	10V
V _{gs(th)} (Max) @ I _d	5V @ 250μA
Gate Charge (Q _g) (Max) @ V _{gs}	210nC @ 10V
Input Capacitance (C _{iss}) (Max) @ V _{ds}	5000pF @ 25V
V _{gs} (Max)	±30V
FET Feature	-
Power Dissipation (Max)	460W (T _c)
R _{ds On} (Max) @ I _d , V _{gs}	180 mOhm @ 19A, 10V
Operating Temperature	-55°C ~ 150°C (T _J)
Mounting Type	Through Hole
Supplier Device Package	TO-247-3
Package / Case	TO-247-3

[Report errors?](#)

IRFP31N50LPBF 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.

IRFP31N50LPBF Payment Methods



IRFP31N50LPBF Shipping Methods



If you have any question about IRFP31N50LPBF, please do not hesitate to contact us!

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