

IRFB7440PBF Information


For Reference Only

Part Number [IRFB7440PBF](#)
Manufacturer Infineon Technologies
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N CH 40V 120A TO220
Package TO-220-3
 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.


IRFB7440PBF Specifications

| | |
|--|---|
| Manufacturer Part Number | IRFB7440PBF |
| Manufacturer | Infineon Technologies |
| Category | Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single |
| Package | TO-220-3 |
| Series | HEXFET?, StrongIRFET? |
| FET Type | N-Channel |
| Technology | MOSFET (Metal Oxide) |
| Drain to Source Voltage (Vdss) | 40V |
| Current - Continuous Drain (Id) @ 25°C | 120A (Tc) |
| Drive Voltage (Max Rds On, Min Rds On) | 6V, 10V |
| Vgs(th) (Max) @ Id | 3.9V @ 100µA |
| Gate Charge (Qg) (Max) @ Vgs | 135nC @ 10V |
| Input Capacitance (Ciss) (Max) @ Vds | 4730pF @ 25V |
| Vgs (Max) | ±20V |
| FET Feature | - |
| Power Dissipation (Max) | 143W (Tc) |
| Rds On (Max) @ Id, Vgs | 2.5 mOhm @ 100A, 10V |
| Operating Temperature | -55°C ~ 175°C (TJ) |
| Mounting Type | Through Hole |
| Supplier Device Package | TO-220AB |
| Package / Case | TO-220-3 |

[Report errors?](#)

IRFB7440PBF 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.

IRFB7440PBF Payment Methods



IRFB7440PBF Shipping Methods



If you have any question about IRFB7440PBF, please do not hesitate to contact us!

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