



IRLR8259PBF Information



For Reference Only

Part Number IRLR8259PBF

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single MOSFET N-CH 25V 57A DPAK

DescriptionMOSFET N-CH 25V 57A DPAK**Package**TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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IRLR8259PBF Specifications

| Manufacturer Part NumberIRLR8259PBFManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)25VCurrent - Continuous Drain (Id) @ 25°C57A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.35V @ 25µAGate Charge (Qg) (Max) @ Vgs10nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds900pF @ 13VYgs (Max)±20VFET Feature-Power Dissipation (Max)48W (Tc)Rds On (Max) @ Id, Vgs8.7 mOhm @ 21A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63Report errors? | | |
|--|--|---------------------------------------|
| Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series HEXFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 25V Current - Continuous Drain (Id) @ 25°C 57A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.35V @ 25μA Gate Charge (Qg) (Max) @ Vgs 10nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 900pF @ 13V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 48W (Tc) Rds On (Max) @ Id, Vgs 8.7 mOhm @ 21A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Manufacturer Part Number | IRLR8259PBF |
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| Current - Continuous Drain (Id) @ 25°C 57A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.35V @ 25μA Gate Charge (Qg) (Max) @ Vgs 10nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 900pF @ 13V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 48W (Tc) Rds On (Max) @ Id, Vgs 8.7 mOhm @ 21A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2.35V @ 25μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.7 mOhm @ 21A, 10V Operating Temperature Operating Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Drain to Source Voltage (Vdss) | 25V |
| Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 2.35V @ 25μA 10nC @ 4.5V 10nC @ 4.5V 4.5V 900pF @ 13V +20V +20V FET Feature - Nome 21A, 10V - Surface Mount Surface Mount D-Pak TO-252-3, DPak (2 Leads + Tab), SC-63 | Current - Continuous Drain (Id) @ 25°C | 57A (Tc) |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 900pF @ 13V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 10nC @ 4.5V 10nC | Drive Voltage (Max Rds On, Min Rds On) | 4.5V, 10V |
| Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.7 mOhm @ 21A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Vgs(th) (Max) @ Id | 2.35V @ 25μA |
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| FET Feature - Power Dissipation (Max) 48W (Tc) Rds On (Max) @ Id, Vgs 8.7 mOhm @ 21A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Input Capacitance (Ciss) (Max) @ Vds | 900pF @ 13V |
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| Rds On (Max) @ Id, Vgs8.7 mOhm @ 21A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | FET Feature | - |
| Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Power Dissipation (Max) | 48W (Tc) |
| Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Rds On (Max) @ Id, Vgs | 8.7 mOhm @ 21A, 10V |
| Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Operating Temperature | -55°C ~ 175°C (TJ) |
| Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Mounting Type | Surface Mount |
| | Supplier Device Package | D-Pak |
| Report errors? | Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| | | Report errors? |

IRLR8259PBF 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.

IRLR8259PBF Payment Methods





















IRLR8259PBF Shipping Methods













If you have any question about IRLR8259PBF, please do not hesitate to contact us!

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