

## **IRFR24N15DTRPBF**

#### **IRFR24N15DTRPBF Information**



For Reference Only

Part Number IRFR24N15DTRPBF
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 150V 24A 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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# **IRFR24N15DTRPBF Specifications**

Manufacturer Part Number         IRFR24N15DTRPBF           Manufacturer         Infineon Technologies           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)         150V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         45nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         890pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         140W (Tc)           Rds On (Max) @ Id, Vgs         95 mOhm @ 14A, 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           Report 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) 150V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 45nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 890pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 95 mOhm @ 14A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case	Manufacturer Part Number	IRFR24N15DTRPBF
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)         150V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         45nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         890pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         140W (Tc)           Rds On (Max) @ Id, Vgs         95 mOhm @ 14A, 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	Infineon Technologies
PackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds890pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
SeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds890pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds890pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds890pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	HEXFET?
Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds890pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  10V  Vgs(th) (Max) @ Id  5V @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  95 mOhm @ 14A, 10V  Operating Temperature  Supplier Device Package  Package / Case  24A (Tc)  250μA  45nC @ 10V  10V  10V  10V  10V  10V  10V  10V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds890pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	150V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  890pF @ 25V  Vgs (Max)  ±30V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  95 mOhm @ 14A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	24A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  890pF @ 25V  Vgs (Max)  ±30V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  95 mOhm @ 14A, 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	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  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	5V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	45nC @ 10V
FET Feature -  Power Dissipation (Max) 140W (Tc)  Rds On (Max) @ Id, Vgs 95 mOhm @ 14A, 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	890pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  95 mOhm @ 14A, 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 (Max)	±30V
Rds On (Max) @ Id, Vgs95 mOhm @ 14A, 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)	140W (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	95 mOhm @ 14A, 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?

#### **IRFR24N15DTRPBF** 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.

### **IRFR24N15DTRPBF Payment Methods**

































If you have any question about IRFR24N15DTRPBF, please do not hesitate to contact us!

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