

# **IRFR3412TRLPBF**

### **IRFR3412TRLPBF Information**



For Reference Only

Part Number IRFR3412TRLPBF
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 100V 48A 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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# **IRFR3412TRLPBF Specifications**

Manufacturer Part Number         IRFR3412TRLPBF           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)         100V           Current - Continuous Drain (Id) @ 25°C         48A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         89nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3430pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         140W (Tc)           Rds On (Max) @ Id, Vgs         25 mOhm @ 29A, 10V           Operating Temperature         -55°C ~ 175°C (TI)           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)         100V           Current - Continuous Drain (Id) @ 25°C         48A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         89nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3430pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         140W (Tc)           Rds On (Max) @ Id, Vgs         25 mOhm @ 29A, 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	IRFR3412TRLPBF
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Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Journal Type  Surface Mount  Supplier Device Package  Package / Case  89nC @ 10V  3430pF @ 25V  140W  TC)  Surface Mount  Supplier Device Package  D-Pak  TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	10V
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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	25 mOhm @ 29A, 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?

#### **IRFR3412TRLPBF** 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.

### **IRFR3412TRLPBF Payment Methods**



















### **IRFR3412TRLPBF Shipping Methods**













If you have any question about IRFR3412TRLPBF, please do not hesitate to contact us!

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