

# IRFR5410TRRPBF

#### **IRFR5410TRRPBF Information**



For Reference Only

**Part Number** IRFR5410TRRPBF **Manufacturer** Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 100V 13A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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## **IRFR5410TRRPBF Specifications**

| Manufacturer Part Number         IRFR5410TRRPBF           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         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         13A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         58nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         760pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         66W (Tc)           Rds On (Max) @ Id, Vgs         205 mOhm @ 7.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63 |  |                                       |
|--|--|---------------------------------------|
| Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series HEXFET? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 13A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 58nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 760pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 66W (Tc) Rds On (Max) @ Id, Vgs 205 mOhm @ 7.8A, 10V Operating Temperature -55°C ~ 150°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               | IRFR5410TRRPBF                        |
| Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         HEXFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         13A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         58nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         760pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         66W (Tc)           Rds On (Max) @ Id, Vgs         205 mOhm @ 7.8A, 10V           Operating Temperature         -55°C ~ 150°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                 |
| Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         HEXFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         13A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         58nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         760pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         66W (Tc)           Rds On (Max) @ Id, Vgs         205 mOhm @ 7.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63  | Category                               | Discrete Semiconductor Products       |
| SeriesHEXFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C13A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs58nC @ 10VInput Capacitance (Ciss) (Max) @ Vds760pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)66W (Tc)Rds On (Max) @ Id, Vgs205 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   |  | Transistors - FETs, MOSFETs - Single  |
| FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C13A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs58nC @ 10VInput Capacitance (Ciss) (Max) @ Vds760pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)66W (Tc)Rds On (Max) @ Id, Vgs205 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°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)100VCurrent - Continuous Drain (Id) @ 25°C13A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs58nC @ 10VInput Capacitance (Ciss) (Max) @ Vds760pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)66W (Tc)Rds On (Max) @ Id, Vgs205 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | Series                                 | HEXFET?                               |
| Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C13A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs58nC @ 10VInput Capacitance (Ciss) (Max) @ Vds760pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)66W (Tc)Rds On (Max) @ Id, Vgs205 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | FET Type                               | P-Channel                             |
| Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  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  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  13A (Tc)  14V  250µA  4V @ 250µA  66V (20V  760pF @ 25V  25V  25V  20V  FET Feature  -55°C ~ 150°C (TJ)  Surface Mount  Supplier Device Package  D-Pak  TO-252-3, DPak (2 Leads + Tab), SC-63   | Technology                             | MOSFET (Metal Oxide)                  |
| Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs58nC @ 10VInput Capacitance (Ciss) (Max) @ Vds760pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)66W (Tc)Rds On (Max) @ Id, Vgs205 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | Drain to Source Voltage (Vdss)         | 100V                                  |
| Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  As a constance (Ciss) (Max) @ Constance (Ciss) (Max) @ Constance (Ciss) (Max) & ±20V  FET Feature  Power Dissipation (Max)  66W (Tc)  Rds On (Max) @ Id, Vgs  205 mOhm @ 7.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63  | Current - Continuous Drain (Id) @ 25°C | 13A (Tc)                              |
| Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  760pF @ 25V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  205 mOhm @ 7.8A, 10V  Operating Temperature  -55°C ~ 150°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  760pF @ 25V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  66W (Tc)  Rds On (Max) @ Id, Vgs  205 mOhm @ 7.8A, 10V  Operating Temperature  -55°C ~ 150°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                     | 4V @ 250μA                            |
| Vgs (Max) $\pm 20$ VFET Feature-Power Dissipation (Max) $66$ W (Tc)Rds On (Max) @ Id, Vgs $205$ mOhm @ $7.8$ A, $10$ VOperating Temperature $-55^{\circ}$ C $\sim 150^{\circ}$ C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | Gate Charge (Qg) (Max) @ Vgs           | 58nC @ 10V                            |
| FET Feature -  Power Dissipation (Max) 66W (Tc)  Rds On (Max) @ Id, Vgs 205 mOhm @ 7.8A, 10V  Operating Temperature -55°C ~ 150°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   | 760pF @ 25V                           |
| Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  205 mOhm @ 7.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63  | Vgs (Max)                              | ±20V                                  |
| Rds On (Max) @ Id, Vgs205 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63   | FET Feature                            | -                                     |
| Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63   | Power Dissipation (Max)                | 66W (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                 | 205 mOhm @ 7.8A, 10V                  |
| Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63   | Operating Temperature                  | -55°C ~ 150°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?                        |

#### **IRFR5410TRRPBF** 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.

### **IRFR5410TRRPBF Payment Methods**



















### **IRFR5410TRRPBF Shipping Methods**













If you have any question about IRFR5410TRRPBF, please do not hesitate to contact us!

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