

# **IRF3415STRLPBF**

### **IRF3415STRLPBF Information**



For Reference Only

Part Number IRF3415STRLPBF
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 150V 43A D2PAK

**Package** TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

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



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## **IRF3415STRLPBF Specifications**

Manufacturer Part Number         IRF341SSTRLPBF           Manufacturer         Infineon Technologies           Category         Discrete Semiconductor Products           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         HEXFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         150V           Current - Continuous Drain (Id) @ 25°C         43A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         200nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2400pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         3.8W (Ta), 200W (Tc)           Rds On (Max) @ Id, Vgs         42 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series HEXFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 150V Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4v @ 250µA Gate Charge (Qg) (Max) @ Vgs 200nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2400pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 22A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	IRF3415STRLPBF
Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         HEXFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         150V           Current - Continuous Drain (Id) @ 25°C         43A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         200nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2400pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         3.8W (Ta), 200W (Tc)           Rds On (Max) @ Id, Vgs         42 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	Infineon Technologies
Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         HEXFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         150V           Current - Continuous Drain (Id) @ 25°C         43A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         200nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2400pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         3.8W (Ta), 200W (Tc)           Rds On (Max) @ Id, Vgs         42 mOhm @ 22A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
SeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C43A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs200nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 200W (Tc)Rds On (Max) @ Id, Vgs42 mOhm @ 22A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C43A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs200nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 200W (Tc)Rds On (Max) @ Id, Vgs42 mOhm @ 22A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) 150V Current - Continuous Drain (Id) @ 25°C 43A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 10put Capacitance (Ciss) (Max) @ Vds 2400pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 42 mOhm @ 22A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	HEXFET?
Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C43A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs200nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 200W (Tc)Rds On (Max) @ Id, Vgs42 mOhm @ 22A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Type	N-Channel
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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 ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	150V
Vgs(th) (Max) @ Id       4V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       200nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       2400pF @ 25V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       3.8W (Ta), 200W (Tc)         Rds On (Max) @ Id, Vgs       42 mOhm @ 22A, 10V         Operating Temperature       -55°C ~ 175°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       D2PAK         Package / Case       TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	43A (Tc)
Gate Charge (Qg) (Max) @ Vgs       200nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       2400pF @ 25V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       3.8W (Ta), 200W (Tc)         Rds On (Max) @ Id, Vgs       42 mOhm @ 22A, 10V         Operating Temperature       -55°C ~ 175°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       D2PAK         Package / Case       TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  42 mOhm @ 22A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	4V @ 250μA
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FET Feature  Power Dissipation (Max)  3.8W (Ta), 200W (Tc)  Rds On (Max) @ Id, Vgs  42 mOhm @ 22A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	2400pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  42 mOhm @ 22A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs42 mOhm @ 22A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAKPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	3.8W (Ta), 200W (Tc)
Mounting Type Surface Mount  Supplier Device Package D2PAK  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	42 mOhm @ 22A, 10V
Supplier Device Package  D2PAK  Package / Case  D2PAK  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

#### **IRF3415STRLPBF** 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.

### **IRF3415STRLPBF Payment Methods**



















### **IRF3415STRLPBF Shipping Methods**













If you have any question about IRF3415STRLPBF, please do not hesitate to contact us!

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