



### **IRFS33N15DPBF Information**



For Reference Only

Part Number IRFS33N15DPBF
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 150V 33A D2PAK

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

For the pricing/inventory/lead time, please contact

us

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



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# **IRFS33N15DPBF Specifications**

Manufacturer Part NumberIRFS33N15DPBFManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C33A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5.5V @ 250μAGate Charge (Qg) (Max) @ Vgs90nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2020pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)3.8W (Ta), 170W (Tc)
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)  Current - Continuous Drain (Id) @ 25°C  33A (Tc)  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  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  To-263-3, D2Pak (2 Leads + Tab), TO-263AB  HEXFET?  N-Channel  NOSFET (Metal Oxide)  150V  33A (Tc)  150V  252
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         33A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         90nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2020pF @ 25V           Vgs (Max)         ±30V           FET Feature         -
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 33A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 250μA  Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature -
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C33A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5.5V @ 250μAGate Charge (Qg) (Max) @ Vgs90nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2020pF @ 25VVgs (Max)±30VFET Feature-
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Drive Voltage (Max Rds On, Min Rds On)       10V         Vgs(th) (Max) @ Id       5.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       90nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       2020pF @ 25V         Vgs (Max)       ±30V         FET Feature       -
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Gate Charge (Qg) (Max) @ Vgs       90nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       2020pF @ 25V         Vgs (Max)       ±30V         FET Feature       -
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  2020pF @ 25V  ±30V  -
Vgs (Max) ±30V FET Feature -
FET Feature -
Power Discipation (May) 2 9W (To) 170W (To)
3.6W (1a), 170W (1c)
Rds On (Max) @ Id, Vgs 56 mOhm @ 20A, 10V
Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C} \text{ (TJ)}$
Mounting Type Surface Mount
Supplier Device Package D2PAK
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?

#### **IRFS33N15DPBF** 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.

### **IRFS33N15DPBF Payment Methods**



















## **IRFS33N15DPBF Shipping Methods**













If you have any question about IRFS33N15DPBF, please do not hesitate to contact us!

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