



IRF9540NPBF Information

Part Number IRF9540NPBF

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 100V 23A TO-220AB

TO-220-3 **Package**

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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IRF9540NPBF Specifications

Manufacturer Part Number IRF9540NPBF Manufacturer Infineon Technologies Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series HEXFET? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 23A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 97nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1300pF @ 25V Vgs (Max) 250V FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 117 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3		
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SeriesHEXFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C23A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250µAGate Charge (Qg) (Max) @ Vgs97nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3		Transistors - FETs, MOSFETs - Single
FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C23A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs97nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Package	TO-220-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C23A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs97nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Series	HEXFET?
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C23A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs97nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C23A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs97nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs97nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1300pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	23A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1300pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 117 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	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 117 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	97nC @ 10V
FET Feature - 140W (Tc) Rds On (Max) @ Id, Vgs 117 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Input Capacitance (Ciss) (Max) @ Vds	1300pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 117 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs117 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220ABPackage / CaseTO-220-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Power Dissipation (Max)	140W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	117 mOhm @ 11A, 10V
Supplier Device Package TO-220AB Package / Case TO-220-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-220-3	Mounting Type	Through Hole
-	Supplier Device Package	TO-220AB
Report errors?	Package / Case	TO-220-3
		Report errors?

IRF9540NPBF 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.

IRF9540NPBF Payment Methods





















IRF9540NPBF Shipping Methods













If you have any question about IRF9540NPBF, please do not hesitate to contact us!

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