



### **IRFL024NTRPBF Information**



For Reference Only

Part Number IRFL024NTRPBF
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 55V 2.8A SOT223

Package TO-261-4, TO-261AA

For the pricing/inventory/lead time, please contact  $% \left( \frac{1}{2}\right) =\left( \frac{1}{2}\right) \left( \frac{1}{2}\right)$ 

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# **IRFL024NTRPBF Specifications**

Manufacturer Part NumberIRFL024NTRPBFManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackageTO-261-4, TO-261AASeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C2.8A (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250µAGate Charge (Qg) (Max) @ Vgs18.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)1W (Ta)Rds On (Max) @ Id, Vgs75 mOhm @ 2.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-223Package / CaseTO-261-4, TO-261AA		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-261-4, TO-261AA           Series         HEXFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         55V           Current - Continuous Drain (Id) @ 25°C         2.8A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         18.3n C @ 10V           Input Capacitance (Ciss) (Max) @ Vds         400pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1W (Ta)           Rds On (Max) @ Id, Vgs         75 mOhm @ 2.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-223           Package / Case         TO-261-4, TO-261AA	Manufacturer Part Number	IRFL024NTRPBF
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C2.8A (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs18.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)1W (Ta)Rds On (Max) @ Id, Vgs75 mOhm @ 2.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-223Package / CaseTO-261-4, TO-261AA	Series	HEXFET?
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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  75 mOhm @ 2.8A, 10V  Operating Temperature  Supplier Device Package  Package / Case  2.8A (Ta)  2.8A (Ta)  2.8A (Ta)  4V @ 250μA  4V @ 250μA  400pF @ 25V  400pF @ 25V  400pF @ 25V  55°C  55°C  50°C  10°C  10°C  2.8A (Ta)  50°C  50°C	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs18.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)1W (Ta)Rds On (Max) @ Id, Vgs75 mOhm @ 2.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-223Package / CaseTO-261-4, TO-261AA	Drain to Source Voltage (Vdss)	55V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	2.8A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  400pF @ 25V  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  75 mOhm @ 2.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-261-4, TO-261AA	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  75 mOhm @ 2.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-261-4, TO-261AA	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1W (Ta)Rds On (Max) @ Id, Vgs75 mOhm @ 2.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-223Package / CaseTO-261-4, TO-261AA	Gate Charge (Qg) (Max) @ Vgs	18.3nC @ 10V
FET Feature - Power Dissipation (Max) 1W (Ta) Rds On (Max) @ Id, Vgs 75 mOhm @ 2.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SOT-223 Package / Case TO-261-4, TO-261AA	Input Capacitance (Ciss) (Max) @ Vds	400pF @ 25V
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Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  SOT-223  Package / Case  TO-261-4, TO-261AA	Power Dissipation (Max)	1W (Ta)
Mounting Type Surface Mount Supplier Device Package SOT-223 Package / Case TO-261-4, TO-261AA	Rds On (Max) @ Id, Vgs	75 mOhm @ 2.8A, 10V
Supplier Device Package SOT-223 Package / Case TO-261-4, TO-261AA	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-261-4, TO-261AA	Mounting Type	Surface Mount
	Supplier Device Package	SOT-223
Report errors?	Package / Case	TO-261-4, TO-261AA
		Report errors?

#### **IRFL024NTRPBF** 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.

# **IRFL024NTRPBF Payment Methods**



















### **IRFL024NTRPBF Shipping Methods**













If you have any question about IRFL024NTRPBF, please do not hesitate to contact us!

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