

IRLR7821CTRRPBF

IRLR7821CTRRPBF Information



For Reference Only

Part Number IRLR7821CTRRPBF
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 65A DPAK

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

For the pricing/inventory/lead time, please contact

us

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



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IRLR7821CTRRPBF Specifications

Manufacturer Part Number IRLR7821CTRRPBF 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 N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 65A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id IV @ 250µA Gate Charge (Qg) (Max) @ Vgs 14nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 1030pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 75W (Tc) Rds On (Max) @ Id, Vgs 10 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63		
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SeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C65A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250µAGate Charge (Qg) (Max) @ Vgs14nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds1030pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs10 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C65A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds1030pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs10 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°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)30VCurrent - Continuous Drain (Id) @ 25°C65A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds1030pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs10 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	HEXFET?
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Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 14nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 1030pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 10 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs14nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds1030pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs10 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) As Agree (Max) (Max) (Max) (Max) Toperating Temperature Supplier Device Package Package / Case 10 V @ 250μA 14nC @ 4.5V 1030pF @ 15V 1030pF @ 15V 1070 10	Current - Continuous Drain (Id) @ 25°C	65A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 10 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°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)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 10 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°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	1V @ 250μA
Vgs (Max) $\pm 20\text{V}$ FET Feature-Power Dissipation (Max) 75W (Tc)Rds On (Max) @ Id, Vgs $10 \text{ mOhm } @ 15\text{A}, 10\text{V}$ Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	14nC @ 4.5V
FET Feature - Power Dissipation (Max) 75W (Tc) Rds On (Max) @ Id, Vgs 10 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°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	1030pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 10 mOhm @ 15A, 10V Operating Temperature -55°C ~ 175°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, Vgs10 mOhm @ 15A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 175°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)	75W (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	10 mOhm @ 15A, 10V
Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°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?

IRLR7821CTRRPBF 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.

IRLR7821CTRRPBF Payment Methods



















IRLR7821CTRRPBF Shipping Methods













If you have any question about IRLR7821CTRRPBF, please do not hesitate to contact us!

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