



IRF2807STRL Information



For Reference Only

Part Number IRF2807STRL

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single MOSFET N-CH 75V 82A 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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Description









IRF2807STRL Specifications

Manufacturer Part Number IRF2807STRL 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) 75V Current - Continuous Drain (Id) @ 25°C 82A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 160nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3820pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 43A, 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		
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SeriesHEXFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C82A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs160nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3820pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs13 mOhm @ 43A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 82A (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 Power Dissipation (Max) Rds On (Max) @ Id, Vgs In mohm @ 43A, 10V Operating Temperature Surface Mount Supplier Device Package N-Channel NOSFET (Metal Oxide) 82A (Tc) 10V 4V @ 250μA 3820pF @ 25V Vgs (Max) 150nC @ 10V 160nC @ 10V 170nC @	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)75 VCurrent - Continuous Drain (Id) @ 25°C82A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id4 V @ 250μAGate Charge (Qg) (Max) @ Vgs160nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds3820pF @ 25 VVgs (Max)±20 VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs13 mOhm @ 43A, 10 VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK	Series	HEXFET?
Drain to Source Voltage (Vdss)75 VCurrent - Continuous Drain (Id) @ 25°C82A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs160nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds3820pF @ 25 VVgs (Max)±20 VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs13 mOhm @ 43A, 10 VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK	FET Type	N-Channel
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Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs160nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3820pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs13 mOhm @ 43A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK	Drain to Source Voltage (Vdss)	75V
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 Supplier Device Package 4V @ 250μA 160nC @ 10V 3820pF @ 25V +20V FET Feature - Nounting Type Surface Mount D2PAK	Current - Continuous Drain (Id) @ 25°C	82A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 3820pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 43A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 43A, 10V Operating Temperature Operating Type Surface Mount Supplier Device Package 3820pF @ 25V ±20V	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)230W (Tc)Rds On (Max) @ Id, Vgs13 mOhm @ 43A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK	Gate Charge (Qg) (Max) @ Vgs	160nC @ 10V
FET Feature - Power Dissipation (Max) 230W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 43A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK	Input Capacitance (Ciss) (Max) @ Vds	3820pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 43A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs13 mOhm @ 43A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D2PAK	Power Dissipation (Max)	230W (Tc)
Mounting Type Surface Mount Supplier Device Package D2PAK	Rds On (Max) @ Id, Vgs	13 mOhm @ 43A, 10V
Supplier Device Package D2PAK	Operating Temperature	-55°C ~ 175°C (TJ)
	Mounting Type	Surface Mount
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Supplier Device Package	D2PAK
	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Report errors?		Report errors?

IRF2807STRL 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.

IRF2807STRL Payment Methods





















IRF2807STRL Shipping Methods













If you have any question about IRF2807STRL, please do not hesitate to contact us!

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