



IRFR7740PBF Information



For Reference Only

Part Number IRFR7740PBF

Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 75V 89A D2PAK

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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IRFR7740PBF Specifications

Manufacturer Part Number IRFR7740PBF 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) 75V Current - Continuous Drain (Id) @ 25°C 87A (Tc) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 3.7V @ 100µA Gate Charge (Qg) (Max) @ Vgs 126nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4430pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-PAK (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63		
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FET Type Rechnology MOSFET (Metal Oxide) Toain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C B7A (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) E20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 10V Operating Temperature Supplier Device Package D-PAK (TO-252AA) Package / Case N-Carnon Pover Dissipation (Max) + Capacitan (Ciss) (Ci	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 87A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3.7V @ 100μA Gate Charge (Qg) (Max) @ Vgs 126nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4430pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 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	Series	HEXFET?
Drain to Source Voltage (Vdss)75VCurrent - Continuous Drain (Id) @ 25°C87A (Tc)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.7V @ 100μAGate Charge (Qg) (Max) @ Vgs126nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4430pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs7.2 mOhm @ 52A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PAK (TO-252AA)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Prive 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 7.2 mOhm @ 52A, 10V Operating Temperature Surplier Device Package Package / Case 87A (Tc)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id3.7V @ 100μAGate Charge (Qg) (Max) @ Vgs126nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4430pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs7.2 mOhm @ 52A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PAK (TO-252AA)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	75V
Vgs(th) (Max) @ Id 3.7V @ 100μA Gate Charge (Qg) (Max) @ Vgs 126nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4430pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-PAK (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	87A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4430pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-PAK (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Input Capacitance (Ciss) (Max) @ Vds 4430pF @ 25V Vgs (Max) E20V FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-PAK (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	3.7V @ 100μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)140W (Tc)Rds On (Max) @ Id, Vgs7.2 mOhm @ 52A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PAK (TO-252AA)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	126nC @ 10V
FET Feature - Power Dissipation (Max) 140W (Tc) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-PAK (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	4430pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.2 mOhm @ 52A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-PAK (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs7.2 mOhm @ 52A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PAK (TO-252AA)Package / 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 (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	140W (Tc)
Mounting Type Surface Mount Supplier Device Package D-PAK (TO-252AA) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	7.2 mOhm @ 52A, 10V
Supplier Device Package D-PAK (TO-252AA) 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 (TO-252AA)
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

IRFR7740PBF 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.

IRFR7740PBF Payment Methods



















IRFR7740PBF Shipping Methods













If you have any question about IRFR7740PBF, please do not hesitate to contact us!

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