



IRF737LCPBF Information



For Reference Only

Part Number IRF737LCPBF **Manufacturer** Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 300V 6.1A TO-220AB

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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IRF737LCPBF Specifications

Manufacturer Part NumberIRF737LCPBFManufacturerVishay SiliconixCategoryDiscrete Semiconductor ProductsFackageTO-220-3Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C6.1A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs17nC @ 10VInput Capacitance (Ciss) (Max) @ Vds430pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)74W (Tc)Rds On (Max) @ Id, Vgs750 mOhm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220AB		
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Package TO-220-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 300V Current - Continuous Drain (Id) @ 25°C 6.1A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 17nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 430pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 74W (Tc) Rds On (Max) @ Id, Vgs 750 mOhm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB	Category	Discrete Semiconductor Products
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C6.1A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs17nC @ 10VInput Capacitance (Ciss) (Max) @ Vds430pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)74W (Tc)Rds On (Max) @ Id, Vgs750 mOhm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220AB	Package	TO-220-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C6.1A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs17nC @ 10VInput Capacitance (Ciss) (Max) @ Vds430pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)74W (Tc)Rds On (Max) @ Id, Vgs750 mOhm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220AB	Series	-
Drain to Source Voltage (Vdss)300VCurrent - Continuous Drain (Id) @ 25°C6.1A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs17nC @ 10VInput Capacitance (Ciss) (Max) @ Vds430pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)74W (Tc)Rds On (Max) @ Id, Vgs750 mOhm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220AB	FET Type	N-Channel
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 750 mOhm @ 3.7A, 10V Operating Temperature Supplier Device Package 6.1A (Tc) 6.1C (Tc) 6.1C (Tc) 6.1A (Tc) 6.1C (T	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) $10V$ $Vgs(th)$ (Max) @ Id $4V$ @ 250μ AGate Charge (Qg) (Max) @ Vgs $17nC$ @ $10V$ Input Capacitance (Ciss) (Max) @ Vds $430pF$ @ $25V$ Vgs (Max) $\pm 30V$ FET Feature-Power Dissipation (Max) $74W$ (Tc)Rds On (Max) @ Id, Vgs 750 mOhm @ $3.7A$, $10V$ Operating Temperature -55° C ~ 150° C (TJ)Mounting TypeThrough HoleSupplier Device Package $TO-220AB$	Drain to Source Voltage (Vdss)	300V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 17nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 430pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 750 mOhm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB	Current - Continuous Drain (Id) @ 25°C	6.1A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 430pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 750 mOhm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB	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 Operating Temperature Through Hole Supplier Device Package 430pF @ 25V 50v Through Hole Through Hole	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)74W (Tc)Rds On (Max) @ Id, Vgs750 mOhm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220AB	Gate Charge (Qg) (Max) @ Vgs	17nC @ 10V
FET Feature - Power Dissipation (Max) 74W (Tc) Rds On (Max) @ Id, Vgs 750 mOhm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB	Input Capacitance (Ciss) (Max) @ Vds	430pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 750 mOhm @ 3.7A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs750 mOhm @ 3.7A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220AB	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220AB	Power Dissipation (Max)	74W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220AB	Rds On (Max) @ Id, Vgs	750 mOhm @ 3.7A, 10V
Supplier Device Package TO-220AB	Operating Temperature	-55°C ~ 150°C (TJ)
	Mounting Type	Through Hole
	Supplier Device Package	TO-220AB
Package / Case TO-220-3	Package / Case	TO-220-3
Report errors?		Report errors?

IRF737LCPBF 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.

IRF737LCPBF Payment Methods









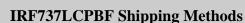
























If you have any question about IRF737LCPBF, please do not hesitate to contact us!

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