



IRLU014PBF Information



For Reference Only

Part Number IRLU014PBF
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 60V 7.7A I-PAK

Package TO-251-3 Short Leads, IPak, TO-251AA

For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

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IRLU014PBF Specifications

Manufacturer Part Number IRLU014PBF Manufacturer Vishay Siliconix Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-251-3 Short Leads, IPak, TO-251AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 7.7A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 8.4nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 400pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 2.5W (Ta), 25W (Tc) Rds On (Max) @ Id, Vgs 200 mOhm @ 4.6A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251AA Package / Case TO-251AS		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-251-3 Short Leads, IPak, TO-251AA Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Orain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Qate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ### 10V ##	Manufacturer Part Number	IRLU014PBF
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PackageTO-251-3 Short Leads, IPak, TO-251AASeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C7.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs8.4nC @ 5VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)2.5W (Ta), 25W (Tc)Rds On (Max) @ Id, Vgs200 mOhm @ 4.6A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251AAPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 7.7A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 8.4nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 400pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 2.5W (Ta), 25W (Tc) Rds On (Max) @ Id, Vgs 200 mOhm @ 4.6A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251AA Package / Case TO-251-3 Short Leads, IPak, TO-251AA		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C7.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs8.4nC @ 5VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)2.5W (Ta), 25W (Tc)Rds On (Max) @ Id, Vgs200 mOhm @ 4.6A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251AAPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	Package	TO-251-3 Short Leads, IPak, TO-251AA
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C7.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs8.4nC @ 5VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)2.5W (Ta), 25W (Tc)Rds On (Max) @ Id, Vgs200 mOhm @ 4.6A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251AAPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	Series	-
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C7.7A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs8.4nC @ 5VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)2.5W (Ta), 25W (Tc)Rds On (Max) @ Id, Vgs200 mOhm @ 4.6A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251AAPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251-3 Short Leads, IPak, TO-251AA	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs8.4nC @ 5VInput Capacitance (Ciss) (Max) @ Vds400pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)2.5W (Ta), 25W (Tc)Rds On (Max) @ Id, Vgs200 mOhm @ 4.6A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251AAPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +10V FET Feature - Power Dissipation (Max) As 2.5W (Ta), 25W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	7.7A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +10V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251-3 Short Leads, IPak, TO-251AA	Drive Voltage (Max Rds On, Min Rds On)	4V, 5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251-3 Short Leads, IPak, TO-251AA	Vgs(th) (Max) @ Id	2V @ 250μA
Vgs (Max) ± 10 VFET Feature-Power Dissipation (Max) 2.5 W (Ta), 25 W (Tc)Rds On (Max) @ Id, Vgs 200 mOhm @ 4.6 A, 5 VOperating Temperature -55° C $\sim 150^{\circ}$ C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO- 251 AAPackage / CaseTO- 251 -3 Short Leads, IPak, TO- 251 AA	Gate Charge (Qg) (Max) @ Vgs	8.4nC @ 5V
FET Feature - Power Dissipation (Max) 2.5W (Ta), 25W (Tc) Rds On (Max) @ Id, Vgs 200 mOhm @ 4.6A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251AA Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Input Capacitance (Ciss) (Max) @ Vds	400pF @ 25V
Power Dissipation (Max) 2.5W (Ta), 25W (Tc) 200 mOhm @ 4.6A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251AA Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Vgs (Max)	±10V
Rds On (Max) @ Id, Vgs200 mOhm @ 4.6A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251AAPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251AA Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Power Dissipation (Max)	2.5W (Ta), 25W (Tc)
Mounting Type Through Hole Supplier Device Package TO-251AA Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Rds On (Max) @ Id, Vgs	200 mOhm @ 4.6A, 5V
Supplier Device Package TO-251AA Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Mounting Type	Through Hole
	Supplier Device Package	TO-251AA
Report errors?	Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
		Report errors?

IRLU014PBF 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.

IRLU014PBF Payment Methods





















IRLU014PBF Shipping Methods













If you have any question about IRLU014PBF, please do not hesitate to contact us!

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