



IRLR024PBF Information



For Reference Only

Part Number IRLR024PBF **Manufacturer** Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 60V 14A 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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IRLR024PBF Specifications

Manufacturer Part Number IRLR024PBF Manufacturer Vishay Siliconix Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 18nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 870pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°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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Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 18nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 870pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	Vishay Siliconix
Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 18nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 870pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series - N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 18nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 870pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case 170-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 5VInput Capacitance (Ciss) (Max) @ Vds870pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)42W (Tc)Rds On (Max) @ Id, Vgs100 mOhm @ 8.4A, 5VOperating Temperature-55°C ~ 150°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
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 14A (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 Operating Temperature John Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 60V AUSTET (Metal Oxide) 60V 44A (Tc) 14A (Tc) 14B (Tc) 15D (V 250µA 18D (© 5V 18D	Series	-
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 5VInput Capacitance (Ciss) (Max) @ Vds870pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)42W (Tc)Rds On (Max) @ Id, Vgs100 mOhm @ 8.4A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 5VInput Capacitance (Ciss) (Max) @ Vds870pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)42W (Tc)Rds On (Max) @ Id, Vgs100 mOhm @ 8.4A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 5VInput Capacitance (Ciss) (Max) @ Vds870pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)42W (Tc)Rds On (Max) @ Id, Vgs100 mOhm @ 8.4A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 870pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	14A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 870pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°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)	4V, 5V
Input Capacitance (Ciss) (Max) @ Vds 870pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°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	2V @ 250μA
Vgs (Max) $\pm 10 \text{V}$ FET Feature-Power Dissipation (Max) 42W (Tc)Rds On (Max) @ Id, Vgs $100 \text{ mOhm } @ 8.4 \text{A}, 5 \text{V}$ Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	18nC @ 5V
FET Feature - Power Dissipation (Max) 42W (Tc) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°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	870pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 100 mOhm @ 8.4A, 5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±10V
Rds On (Max) @ Id, Vgs100 mOhm @ 8.4A, 5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 150°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)	42W (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	100 mOhm @ 8.4A, 5V
Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 150°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?

IRLR024PBF 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.

IRLR024PBF Payment Methods



















IRLR024PBF Shipping Methods













If you have any question about IRLR024PBF, please do not hesitate to contact us!

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