



IRFP21N60LPBF Information



For Reference Only

Part Number IRFP21N60LPBF
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 21A TO-247AC

Package TO-247-3

For the pricing/inventory/lead time, please contact

us

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



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IRFP21N60LPBF Specifications

Manufacturer Part NumberIRFP21N60LPBFManufacturerVishay SiliconixCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-247-3Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C21A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250µAGate Charge (Qg) (Max) @ Vgs150nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)330W (Tc)Rds On (Max) @ Id, Vgs320 mOhm @ 13A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3Report errors?		
Category Discrete Semiconductor Products Package TO-247-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 21A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 150nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4000pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 330W (Tc) Rds On (Max) @ Id, Vgs 320 mOhm @ 13A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Manufacturer Part Number	IRFP21N60LPBF
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C21A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs150nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)330W (Tc)Rds On (Max) @ Id, Vgs320 mOhm @ 13A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Package	TO-247-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C21A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs150nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)330W (Tc)Rds On (Max) @ Id, Vgs320 mOhm @ 13A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Series	-
Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C21A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs150nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4000pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)330W (Tc)Rds On (Max) @ Id, Vgs320 mOhm @ 13A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sv @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 320 mOhm @ 13A, 10V Operating Temperature Supplier Device Package TO-247-3 Package / Case 21A (Tc) 310V 55°C ~ 150°C (10V 3400pF @ 25V 4400pF @ 25V 4500pF @ 25V 4700pF @ 25V 4700	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id St @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 320 mOhm @ 13A, 10V Operating Temperature Supplier Device Package TO-247-3 Package / Case TO-247-3	Drain to Source Voltage (Vdss)	600V
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 Package / Case 5V @ 250μA 150nC @ 10V 4000pF @ 25V 25V 230V 230V 5V @ 250μA 250nC @ 10V 250V 260V 260V 260V 270V	Current - Continuous Drain (Id) @ 25°C	21A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 150nC @ 10V 4000pF @ 25V 230V 530V 530V 530V 750 750°C 7	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 320 mOhm @ 13A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Vgs(th) (Max) @ Id	5V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)330W (Tc)Rds On (Max) @ Id, Vgs320 mOhm @ 13A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	Gate Charge (Qg) (Max) @ Vgs	150nC @ 10V
FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 320 mOhm @ 13A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Input Capacitance (Ciss) (Max) @ Vds	4000pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 320 mOhm @ 13A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs320 mOhm @ 13A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-247-3Package / CaseTO-247-3	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Power Dissipation (Max)	330W (Tc)
Mounting Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	Rds On (Max) @ Id, Vgs	320 mOhm @ 13A, 10V
Supplier Device Package TO-247-3 Package / Case TO-247-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-247-3	Mounting Type	Through Hole
	Supplier Device Package	TO-247-3
Report errors?	Package / Case	TO-247-3
		Report errors?

IRFP21N60LPBF 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.

IRFP21N60LPBF Payment Methods

































If you have any question about IRFP21N60LPBF, please do not hesitate to contact us!

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