



IRFP21N60L Information



For Reference Only

Part Number IRFP21N60L

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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IRFP21N60L Specifications

Manufacturer Part Number IRFP21N60L Manufacturer Vishay Siliconix Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 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 Report 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	IRFP21N60L
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Series - Channel FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 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		Transistors - FETs, MOSFETs - Single
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°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	Technology	MOSFET (Metal Oxide)
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	Drain to Source Voltage (Vdss)	600V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	21A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Joperating Type Through Hole Supplier Device Package TO-247-3 Package / Case TO-247-3	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 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 - Graduate	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?

IRFP21N60L 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.

IRFP21N60L Payment Methods



















IRFP21N60L Shipping Methods













If you have any question about IRFP21N60L, please do not hesitate to contact us!

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