



## **IRLI520GPBF Information**



For Reference Only

Part Number IRLI520GPBF
Manufacturer Vishay Siliconix

**Category** Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 100V 7.2A TO220FP

Package TO-220-3 Full Pack, Isolated Tab
For the pricing/inventory/lead time, please contact

115

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



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# **IRLI520GPBF Specifications**

Manufacturer Part Number         IRL1520GPBF           Manufacturer         Vishay Siliconix           Category         Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single           Package         TO-220-3 Full Pack, Isolated Tab           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         7.2A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4V, 5V           Vgs(th) (Max) @ Id         2V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         12nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         490pF @ 25V           Vgs (Max)         490pF @ 25V           Vgs (Max)         37W (Tc)           Rds On (Max) @ Id, Vgs         270 mOhm @ 4.3A, 5V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220-3           Package / Case         TO-220-3 Full Pack, Isolated Tab		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Full Pack, Isolated Tab Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 7.2A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Queen Charge (Qg) (Max) @ Vgs 12nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 490pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 270 mOhm @ 4.3A, 5V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case TO-220-3 Full Pack, Isolated Tab	Manufacturer Part Number	IRLI520GPBF
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C7.2A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs12nC @ 5VInput Capacitance (Ciss) (Max) @ Vds490pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)37W (Tc)Rds On (Max) @ Id, Vgs270 mOhm @ 4.3A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab	Package	TO-220-3 Full Pack, Isolated Tab
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C7.2A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs12nC @ 5VInput Capacitance (Ciss) (Max) @ Vds490pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)37W (Tc)Rds On (Max) @ Id, Vgs270 mOhm @ 4.3A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab	Series	-
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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)  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Through Hole  Supplier Device Package  Package / Case  7.2A (Tc)  4V, 5V  7.2A (Tc)  4V, 5V  7.2A (Tc)  7.2A (Tc)  4V, 5V  7.2A (Tc)  4V, 5V  490pF @ 25V  70 Through Hole  10 To-220-3 Full Pack, Isolated Tab	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs12nC @ 5VInput Capacitance (Ciss) (Max) @ Vds490pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)37W (Tc)Rds On (Max) @ Id, Vgs270 mOhm @ 4.3A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	7.2A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  490pF @ 25V  Vgs (Max)  ±10V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  270 mOhm @ 4.3A, 5V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220-3  Package / Case  TO-220-3 Full Pack, Isolated Tab	Drive Voltage (Max Rds On, Min Rds On)	4V, 5V
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Rds On (Max) @ Id, Vgs270 mOhm @ 4.3A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab	FET Feature	-
Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220-3  Package / Case  TO-220-3 Full Pack, Isolated Tab	Power Dissipation (Max)	37W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220-3 Package / Case TO-220-3 Full Pack, Isolated Tab	Rds On (Max) @ Id, Vgs	270 mOhm @ 4.3A, 5V
Supplier Device Package TO-220-3 Package / Case TO-220-3 Full Pack, Isolated Tab	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-220-3 Full Pack, Isolated Tab	Mounting Type	Through Hole
	Supplier Device Package	TO-220-3
Report errors?	Package / Case	TO-220-3 Full Pack, Isolated Tab
		Report errors?

### **IRLI520GPBF 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.

# **IRLI520GPBF Payment Methods**





















## **IRLI520GPBF Shipping Methods**













If you have any question about IRLI520GPBF, please do not hesitate to contact us!

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