



IRLI540G Information



For Reference Only

Part Number IRLI540G Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

DescriptionMOSFET N-CH 100V 17A TO220FP**Package**TO-220-3 Full Pack, Isolated Tab

For the pricing/inventory/lead time, please contact

us

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



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Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









IRLI540G Specifications

Manufacturer Part Number IRL1540G 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 17A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 64nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 2200pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 48W (Tc) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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		
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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 17A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4V, 5V Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs 64nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 2200pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 48W (Tc) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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	Manufacturer	Vishay Siliconix
PackageTO-220-3 Full Pack, Isolated TabSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs64nC @ 5VInput Capacitance (Ciss) (Max) @ Vds2200pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)48W (Tc)Rds On (Max) @ Id, Vgs77 mOhm @ 10A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab	Category	Discrete Semiconductor Products
Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs64nC @ 5VInput Capacitance (Ciss) (Max) @ Vds2200pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)48W (Tc)Rds On (Max) @ Id, Vgs77 mOhm @ 10A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab		Transistors - FETs, MOSFETs - Single
FET Type Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 17A (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 -55°C ~ 175°C (TJ) Mounting Type Supplier Device Package TO-220-3 Full Pack, Isolated Tab	Package	TO-220-3 Full Pack, Isolated Tab
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 17A (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 -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case MOSFET (Metal Oxide) 100V MOSFET (Metal Oxide) 100V 17A (Tc) 1	Series	-
Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs64nC @ 5VInput Capacitance (Ciss) (Max) @ Vds2200pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)48W (Tc)Rds On (Max) @ Id, Vgs77 mOhm @ 10A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4V, 5VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs64nC @ 5VInput Capacitance (Ciss) (Max) @ Vds2200pF @ 25VVgs (Max)±10VFET Feature-Power Dissipation (Max)48W (Tc)Rds On (Max) @ Id, Vgs77 mOhm @ 10A, 5VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220-3Package / CaseTO-220-3 Full Pack, Isolated Tab	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 5V Operating Temperature Supplier Device Package Package / Case AV, 5V 2V @ 250μA 64nC @ 5V 2200pF @ 25V 2200pF @ 25V 2400pF @ 25V 270 Through Hole Through Hole TO-220-3 Full Pack, Isolated Tab	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	17A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2200pF @ 25V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 5V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220-3 Package / Case 64nC @ 5V 64nC @ 64nC @ 64nC @ 64nC 64nC @ 64nC @ 64nC @ 64nC 64nC @	Drive Voltage (Max Rds On, Min Rds On)	4V, 5V
Input Capacitance (Ciss) (Max) @ Vds 2200pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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	Vgs(th) (Max) @ Id	2V @ 250μA
Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 48W (Tc) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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	Gate Charge (Qg) (Max) @ Vgs	64nC @ 5V
FET Feature - Power Dissipation (Max) 48W (Tc) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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	Input Capacitance (Ciss) (Max) @ Vds	2200pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 77 mOhm @ 10A, 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	Vgs (Max)	±10V
Rds On (Max) @ Id, Vgs77 mOhm @ 10A, 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)	48W (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	77 mOhm @ 10A, 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?

IRLI540G 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.

IRLI540G Payment Methods



















IRLI540G Shipping Methods













If you have any question about IRLI540G, please do not hesitate to contact us!

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