



SI7149DP-T1-GE3 Information



For Reference Only

Part Number SI7149DP-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 30V 50A PPAK SO-8

Package PowerPAK? SO-8

For the pricing/inventory/lead time, please contact

us

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



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SI7149DP-T1-GE3 Specifications

Manufacturer Part NumberSI7149DP-T1-GE3ManufacturerVishay SiliconixCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackagePowerPAK? SO-8SeriesTrenchFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs147nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4590pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)5.2W (Ta), 69W (Tc)Rds On (Max) @ Id, Vgs5.2 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package PowerPAK? SO-8 Series TrenchFET? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 147nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±25V FET Feature Power Dissipation (Max) S.2W (Ta), 69W (Tc) Rds On (Max) @ Id, Vgs Surface Mount Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case	Manufacturer Part Number	SI7149DP-T1-GE3
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Series TrenchFET? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 147nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4590pF @ 15V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 5.2W (Ta), 69W (Tc) Rds On (Max) @ Id, Vgs 5.2 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8		Transistors - FETs, MOSFETs - Single
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Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs147nC @ 10VInput Capacitance (Ciss) (Max) @ Vds4590pF @ 15VVgs (Max)±25VFET Feature-Power Dissipation (Max)5.2W (Ta), 69W (Tc)Rds On (Max) @ Id, Vgs5.2 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	FET Type	P-Channel
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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.2 m (Ohm @ 15A, 10V) Operating Temperature Supplier Device Package Power PAK? SO-8 Package / Case SoA (Tc) 50A (Tc) 5.5 W (250μΑ 5.5 W (250μΑ 5.2 m (New PAK? SO-8) PowerPAK? SO-8	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 147nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±25V FET Feature - Power Dissipation (Max) S.2W (Ta), 69W (Tc) Rds On (Max) @ Id, Vgs 5.2 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case	Drain to Source Voltage (Vdss)	30V
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 Power PAK? SO-8 PowerPAK? SO-8	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4590pF @ 15V Vgs (Max) ±25V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.2 m Ohm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case PowerPAK? SO-8	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.2 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Vgs(th) (Max) @ Id	2.5V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)5.2W (Ta), 69W (Tc)Rds On (Max) @ Id, Vgs5.2 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Gate Charge (Qg) (Max) @ Vgs	147nC @ 10V
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Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.2 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs5.2 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Power Dissipation (Max)	5.2W (Ta), 69W (Tc)
Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Rds On (Max) @ Id, Vgs	5.2 mOhm @ 15A, 10V
Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case PowerPAK? SO-8	Mounting Type	Surface Mount
	Supplier Device Package	PowerPAK? SO-8
Report errors?	Package / Case	PowerPAK? SO-8
		Report errors?

SI7149DP-T1-GE3 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.

SI7149DP-T1-GE3 Payment Methods



















SI7149DP-T1-GE3 Shipping Methods













If you have any question about SI7149DP-T1-GE3, please do not hesitate to contact us!

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