



SIR401DP-T1-GE3 Information



For Reference Only

Part Number SIR401DP-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single **Description** MOSFET P-CH 20V 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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SIR401DP-T1-GE3 Specifications

Manufacturer Part Number SIR401DP-T1-GE3 Manufacturer Vishay Siliconix 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) 20V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 10V Vgs(th) (Max) @ Id 1.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 310nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9080pF @ 10V Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 5W (Ta), 39W (Tc) Rds On (Max) @ Id, Vgs 3.2 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		
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Package PowerPAK? SO-8 Series TrenchFET? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 10V Vgs(th) (Max) @ Id 1.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 310nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9080pF @ 10V Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 5W (Ta), 39W (Tc) Rds On (Max) @ Id, Vgs 3.2 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	Manufacturer	Vishay Siliconix
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Series TrenchFET? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 10V Vgs(th) (Max) @ Id 1.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 310nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 9080pF @ 10V Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 5W (Ta), 39W (Tc) Rds On (Max) @ Id, Vgs 3.2 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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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs310nC @ 10VInput Capacitance (Ciss) (Max) @ Vds9080pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)5W (Ta), 39W (Tc)Rds On (Max) @ Id, Vgs3.2 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Series	TrenchFET?
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Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 2.5V, 10V Vgs(th) (Max) @ Id 1.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 110nut Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±12V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3.2 mOhm @ 15A, 10V Operating Temperature Supplier Device Package PowerPAK? SO-8 Package / Case 50A (Tc) 5	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs310nC @ 10VInput Capacitance (Ciss) (Max) @ Vds9080pF @ 10VVgs (Max)±12VFET Feature-Power Dissipation (Max)5W (Ta), 39W (Tc)Rds On (Max) @ Id, Vgs3.2 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Drain to Source Voltage (Vdss)	20V
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 PowerPAK? SO-8	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 9080pF @ 10V Vgs (Max) ±12V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3.2 mOhm @ 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)	2.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Surface Mount Supplier Device Package Package / Case Power PAK? SO-8 PowerPAK? SO-8	Vgs(th) (Max) @ Id	1.5V @ 250μA
Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 5W (Ta), 39W (Tc) Rds On (Max) @ Id, Vgs 3.2 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	Gate Charge (Qg) (Max) @ Vgs	310nC @ 10V
FET Feature - Power Dissipation (Max) 5W (Ta), 39W (Tc) Rds On (Max) @ Id, Vgs 3.2 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	Input Capacitance (Ciss) (Max) @ Vds	9080pF @ 10V
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Rds On (Max) @ Id, Vgs3.2 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)	5W (Ta), 39W (Tc)
Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Rds On (Max) @ Id, Vgs	3.2 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?

SIR401DP-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.

SIR401DP-T1-GE3 Payment Methods



















SIR401DP-T1-GE3 Shipping Methods













If you have any question about SIR401DP-T1-GE3, please do not hesitate to contact us!

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