



SIR172ADP-T1-GE3 Information



For Reference Only

Part Number SIR172ADP-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 24A 8-SO

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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SIR172ADP-T1-GE3 Specifications

Manufacturer Part Number SIR172ADP-T1-GE3 Manufacturer Vishay Siliconix Category Discrete Semiconductor Products		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package PowerPAK? SO-8 Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1515pF @ 15V Vgs (Max) Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 3.9W (Ta), 29.8W (Tc) Rds On (Max) @ Id, Vgs Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 PowerPAK? SO-8	Manufacturer Part Number	SIR172ADP-T1-GE3
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.4V @ 250μAGate Charge (Qg) (Max) @ Vgs44nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1515pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.9W (Ta), 29.8W (Tc)Rds On (Max) @ Id, Vgs8.5 mOhm @ 10A, 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) 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 8.5 mOhm @ 10A, 10V Operating Temperature Supplier Device Package PowerPAK? SO-8 Package / Case 24A (Tc) 24V 24A (Tc) 24V 250µ 350µ 360µ 370µ 370µ	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.4V @ 250μAGate Charge (Qg) (Max) @ Vgs44nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1515pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.9W (Ta), 29.8W (Tc)Rds On (Max) @ Id, Vgs8.5 mOhm @ 10A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case 2.4V @ 250μA 44nC @ 10V 1515pF @ 15V ±20V FET (Feature) - Surface Mount Surface Mount PowerPAK? SO-8	Current - Continuous Drain (Id) @ 25°C	24A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1515pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.5 mOhm @ 10A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 8.5 mOhm @ 10A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case PowerPAK? SO-8	Vgs(th) (Max) @ Id	2.4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)3.9W (Ta), 29.8W (Tc)Rds On (Max) @ Id, Vgs8.5 mOhm @ 10A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Gate Charge (Qg) (Max) @ Vgs	44nC @ 10V
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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)	3.9W (Ta), 29.8W (Tc)
Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Rds On (Max) @ Id, Vgs	8.5 mOhm @ 10A, 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?

SIR172ADP-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.

SIR172ADP-T1-GE3 Payment Methods



















SIR172ADP-T1-GE3 Shipping Methods













If you have any question about SIR172ADP-T1-GE3, please do not hesitate to contact us!

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