



SI7196DP-T1-GE3 Information



For Reference Only

Part Number SI7196DP-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 16A 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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SI7196DP-T1-GE3 Specifications

Manufacturer Part Number SI7196DP-T1-GE3 Manufacturer Vishay Siliconix Category Discrete Semiconductor Products		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package PowerPAK? SO-8 Series WFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3v @ 250µA Gate Charge (Qg) (Max) @ Vgs 38nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1577pF @ 15V Vgs (Max) ### 20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case	Manufacturer Part Number	SI7196DP-T1-GE3
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PackagePowerPAK? SO-8SeriesWFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs38nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1577pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)5W (Ta), 41.6W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Category	Discrete Semiconductor Products
Series WFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 38nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1577pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 5W (Ta), 41.6W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 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
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs38nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1577pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)5W (Ta), 41.6W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Package	PowerPAK? SO-8
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs38nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1577pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)5W (Ta), 41.6W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Series	WFET?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs38nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1577pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)5W (Ta), 41.6W (Tc)Rds On (Max) @ Id, Vgs11 mOhm @ 12A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 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 11 mOhm @ 12A, 10V Operating Temperature Supplier Device Package PowerPAK? SO-8 Package / Case 16A (Tc) 16A (Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 10V Operating Temperature Surface Mount Supplier Device Package PowerPAK? SO-8 PowerPAK? SO-8	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 18nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1577pF @ 15V Vgs (Max) FET Feature - Power Dissipation (Max) SW (Ta), 41.6W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Current - Continuous Drain (Id) @ 25°C	16A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 1577pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 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 1577pF @ 15V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 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	3V @ 250μA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 5W (Ta), 41.6W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 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	38nC @ 10V
FET Feature - Power Dissipation (Max) 5W (Ta), 41.6W (Tc) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 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	1577pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 12A, 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)	±20V
Rds On (Max) @ Id, Vgs11 mOhm @ 12A, 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), 41.6W (Tc)
Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Rds On (Max) @ Id, Vgs	11 mOhm @ 12A, 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?

SI7196DP-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.

SI7196DP-T1-GE3 Payment Methods



















SI7196DP-T1-GE3 Shipping Methods













If you have any question about SI7196DP-T1-GE3, please do not hesitate to contact us!

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