



#### SI7388DP-T1-GE3 Information



For Reference Only

Part Number SI7388DP-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single **Description** MOSFET N-CH 30V 12A 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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### SI7388DP-T1-GE3 Specifications

Manufacturer Part Number         SI7388DP-T1-GE3           Manufacturer         Vishay Siliconix           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)         30V           Current - Continuous Drain (Id) @ 25°C         12A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         1.6V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         24nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         ±20V           FET Feature         -           Power Dissipation (Max)         1.9W (Ta)           Rds On (Max) @ Id, Vgs         7 mOhm @ 19A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         PowerPAK? SO-8           Package / Case         PowerPAK? SO-8		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackagePowerPAK? SO-8SeriesTrenchFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C12A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1.6V @ 250μAGate Charge (Qg) (Max) @ Vgs24nC @ 5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs7 mOhm @ 19A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Manufacturer Part Number	SI7388DP-T1-GE3
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PackagePowerPAK? SO-8SeriesTrenchFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C12A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1.6V @ 250μAGate Charge (Qg) (Max) @ Vgs24nC @ 5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs7 mOhm @ 19A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Category	Discrete Semiconductor Products
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FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 12A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 1.6V @ 250µA Gate Charge (Qg) (Max) @ Vgs 24nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 220V FET Feature - 20V FET Feature - 20V Power Dissipation (Max) 1.9W (Ta) Rds On (Max) @ Id, Vgs 7 mOhm @ 19A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Package	PowerPAK? SO-8
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C12A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1.6V @ 250μAGate Charge (Qg) (Max) @ Vgs24nC @ 5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs7 mOhm @ 19A, 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  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  7 mOhm @ 19A, 10V  Operating Temperature  Supplier Device Package  PowerPAK? SO-8  Package / Case  12A (Ta)  12A (Ta)  12A (Ta)  12A (Ta)  12A (Ta)  1.5V (Ta)  1.6V @ 250μA  1.6V @ 250μA  1.6V @ 5V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id1.6V @ 250μAGate Charge (Qg) (Max) @ Vgs24nC @ 5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs7 mOhm @ 19A, 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  1nput Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  7 mOhm @ 19A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? SO-8  Package / Case	Current - Continuous Drain (Id) @ 25°C	12A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 1.9W (Ta)  Rds On (Max) @ Id, Vgs 7 mOhm @ 19A, 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	1.6V @ 250μA
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Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  7 mOhm @ 19A, 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, Vgs7 mOhm @ 19A, 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)	1.9W (Ta)
Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 Package / Case PowerPAK? SO-8	Rds On (Max) @ Id, Vgs	7 mOhm @ 19A, 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?

#### SI7388DP-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.

# SI7388DP-T1-GE3 Payment Methods



















### SI7388DP-T1-GE3 Shipping Methods













If you have any question about SI7388DP-T1-GE3, please do not hesitate to contact us!

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