



### SI7478DP-T1-GE3 Information



For Reference Only

**Part Number** SI7478DP-T1-GE3 **Manufacturer** Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 60V 15A 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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## SI7478DP-T1-GE3 Specifications

Manufacturer Part Number         SI7478DP-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 15A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 160nC @ 10V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max)  #20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.9W (Ta) Rds On (Max) @ Id, Vgs 7.5 mOhm @ 20A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package PowerPAK? SO-8 PowerPAK? SO-8	Manufacturer Part Number	SI7478DP-T1-GE3
Package         PowerPAK? SO-8           Series         TrenchFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         15A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         3V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         160nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         -           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1.9W (Ta)           Rds On (Max) @ Id, Vgs         7.5 mOhm @ 20A, 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
PackagePowerPAK? SO-8SeriesTrenchFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C15A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs160nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs7.5 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SO-8Package / CasePowerPAK? SO-8	Category	Discrete Semiconductor Products
Series TrenchFET?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Fourin to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C 15A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V  Vgs(th) (Max) @ Id 3V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 160nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds -  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 1.9W (Ta)  Rds On (Max) @ Id, Vgs 7.5 mOhm @ 20A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package PowerPAK? SO-8  Package / Case		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C15A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs160nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.9W (Ta)Rds On (Max) @ Id, Vgs7.5 mOhm @ 20A, 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  7.5 mOhm @ 20A, 10V  Operating Temperature  Supplier Device Package  PowerPAK? SO-8  Package / Case  15A (Ta)  15A (Ta)  15A (Ta)  15A (Ta)  15A (Ta)  15A (Ta)  15V (Ta)  3V @ 250µA  160nC @ 10V  - 10V  - 10V  - 10N  10N  10N  10N  10N  10N  10N  1	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  3V @ 250μA  Gate Charge (Qg) (Max) @ Vgs  160nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  7.5 mOhm @ 20A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? SO-8  PowerPAK? SO-8	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  160nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  7.5 mOhm @ 20A, 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	15A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  7.5 mOhm @ 20A, 10V  Operating Temperature  Jupy (Ta)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? SO-8  PowerPAK? SO-8	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 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)	1.9W (Ta)
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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
č	Supplier Device Package	PowerPAK? SO-8
Report errors?	Package / Case	PowerPAK? SO-8
		Report errors?

### SI7478DP-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.

# SI7478DP-T1-GE3 Payment Methods



















## SI7478DP-T1-GE3 Shipping Methods













If you have any question about SI7478DP-T1-GE3, please do not hesitate to contact us!

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