



### **SISA16DN-T1-GE3 Information**



For Reference Only

Part Number SISA16DN-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 30V D-S PPAK 1212-8

Package PowerPAK? 1212-8

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## **SISA16DN-T1-GE3 Specifications**

Manufacturer Part Number         SISA16DN-TI-GE3           Manufacturer         Vishay Siliconix           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         PowerPAK? 1212-8           Series         TrenchFET?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         16A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         2.3V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         47nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2060pF @ 15V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         -           Rds On (Max) @ Id, Vgs         6.8 mOhm @ 15A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         PowerPAK? 1212-8           Package / Case         PowerPAK? 1212-8		
CategoryDiscrete Semiconductor ProductsPackagePowerPAK? 1212-8SeriesTrenchFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Ta)Drive Voltage (Max Rds On, Min Rds On)-Vgs(th) (Max) @ Id2.3V @ 250μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2060pF @ 15VVgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs6.8 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	Manufacturer Part Number	SISA16DN-T1-GE3
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FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 16A (Ta) Drive Voltage (Max Rds On, Min Rds On) - Vgs(th) (Max) @ Id 2.3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 47nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2060pF @ 15V Vgs (Max) - FET Feature - Power Dissipation (Max) - Rds On (Max) @ Id, Vgs 6.8 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case	Package	PowerPAK? 1212-8
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Ta)Drive Voltage (Max Rds On, Min Rds On)-Vgs(th) (Max) @ Id2.3V @ 250μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2060pF @ 15VVgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs6.8 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	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  6.8 mOhm @ 15A, 10V  Operating Temperature  Supplier Device Package Package / Case  16A (Ta)  16  16  16  16A (Ta)  16  16  16  16  16  16  16  16  16  1	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)-Vgs(th) (Max) @ Id2.3V @ 250μAGate Charge (Qg) (Max) @ Vgs47nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2060pF @ 15VVgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs6.8 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	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  Supplier Device Package Package / Case  2.3V @ 250μA  47nC @ 10V  2.060pF @ 15V	Current - Continuous Drain (Id) @ 25°C	16A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)	Drive Voltage (Max Rds On, Min Rds On)	-
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.8 mOhm @ 15A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? 1212-8  Package / Case	Vgs(th) (Max) @ Id	2.3V @ 250μA
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Rds On (Max) @ Id, Vgs6.8 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? 1212-8  Package / Case  PowerPAK? 1212-8	Power Dissipation (Max)	-
Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Rds On (Max) @ Id, Vgs	6.8 mOhm @ 15A, 10V
Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case PowerPAK? 1212-8	Mounting Type	Surface Mount
-	Supplier Device Package	PowerPAK? 1212-8
Report errors?	Package / Case	PowerPAK? 1212-8
		Report errors?

#### **SISA16DN-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.

### **SISA16DN-T1-GE3 Payment Methods**



















### **SISA16DN-T1-GE3 Shipping Methods**













If you have any question about SISA16DN-T1-GE3, please do not hesitate to contact us!

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