



### SIA814DJ-T1-GE3 Information



For Reference Only

Part Number SIA814DJ-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 30V 4.5A SC70-6

Package PowerPAK? SC-70-6 Dual For the pricing/inventory/lead time, please contact

us

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



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## **SIA814DJ-T1-GE3 Specifications**

Manufacturer Part NumberSIA814DJ-T1-GE3ManufacturerVishay SiliconixCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackagePowerPAK? SC-70-6 DualSeriesLITTLE FOOT?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C4.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs11nC @ 10VInput Capacitance (Ciss) (Max) @ Vds340pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.9W (Ta), 6.5W (Tc)Rds On (Max) @ Id, Vgs61 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SC-70-6 DualPackage / CasePowerPAK? SC-70-6 Dual		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package PowerPAK? SC-70-6 Dual Series LITTLE FOOT? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - Continuous Drain (Id) @ 25°C 4.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 1.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 42V FET Feature Schottky Diode (Isolated) Power Dissipation (Max) 1.9W (Ta), 6.5W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SC-70-6 Dual	Manufacturer Part Number	SIA814DJ-T1-GE3
Package         PowerPAK? SC-70-6 Dual           Series         LITTLE FOOT?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         4.5A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         2.5V, 10V           Vgs(th) (Max) @ Id         1.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         11nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         340pF @ 10V           Vgs (Max)         ±12V           FET Feature         Schottky Diode (Isolated)           Power Dissipation (Max)         1.9W (Ta), 6.5W (Tc)           Rds On (Max) @ Id, Vgs         61 mOhm @ 3.3A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         PowerPAK? SC-70-6 Dual           Package / Case         PowerPAK? SC-70-6 Dual	Manufacturer	Vishay Siliconix
PackagePowerPAK? SC-70-6 DualSeriesLITTLE FOOT?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C4.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs11nC @ 10VInput Capacitance (Ciss) (Max) @ Vds340pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.9W (Ta), 6.5W (Tc)Rds On (Max) @ Id, Vgs61 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SC-70-6 DualPackage / CasePowerPAK? SC-70-6 Dual	Category	Discrete Semiconductor Products
Series LITTLE FOOT?  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Jorain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C 4.5A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id 1.5V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 340pF @ 10V  Vgs (Max)  FET Feature Schottky Diode (Isolated)  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs 61 mOhm @ 3.3A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package PowerPAK? SC-70-6 Dual  PowerPAK? SC-70-6 Dual		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  4.5A (Tc)  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  Schottky Diode (Isolated)  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  61 mOhm @ 3.3A, 10V  Operating Temperature  Surface Mount  Supplier Device Package  PowerPAK? SC-70-6 Dual  PowerPAK? SC-70-6 Dual	Package	PowerPAK? SC-70-6 Dual
Technology Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 4.5A (Tc) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 10V Vgs(th) (Max) @ Id 1.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 11nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 340pF @ 10V Vgs (Max) FET Feature Schottky Diode (Isolated) Power Dissipation (Max) 1.9W (Ta), 6.5W (Tc) Rds On (Max) @ Id, Vgs 61 mOhm @ 3.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? SC-70-6 Dual Package / Case	Series	LITTLE FOOT?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C4.5A (Tc)Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs11nC @ 10VInput Capacitance (Ciss) (Max) @ Vds340pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.9W (Ta), 6.5W (Tc)Rds On (Max) @ Id, Vgs61 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SC-70-6 DualPackage / CasePowerPAK? SC-70-6 Dual	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  2.5V, 10V  Vgs(th) (Max) @ Id  1.5V @ 250µA  Gate Charge (Qg) (Max) @ Vgs  11nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±12V  FET Feature  Schottky Diode (Isolated)  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  61 mOhm @ 3.3A, 10V  Operating Temperature  Supplier Device Package  PowerPAK? SC-70-6 Dual  PowerPAK? SC-70-6 Dual	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id1.5V @ 250μAGate Charge (Qg) (Max) @ Vgs11nC @ 10VInput Capacitance (Ciss) (Max) @ Vds340pF @ 10VVgs (Max)±12VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.9W (Ta), 6.5W (Tc)Rds On (Max) @ Id, Vgs61 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SC-70-6 DualPackage / CasePowerPAK? SC-70-6 Dual	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Schottky Diode (Isolated)  Power Dissipation (Max)  Input Capacitance (Max)  Input Capacitance (Ciss) (Max) @ Vds  Schottky Diode (Isolated)  Input Capacitance (Ciss) (Max) @ Id, Vgs  Input Capacitance (Ciss) (Max) @ Vds  Input Capac	Current - Continuous Drain (Id) @ 25°C	4.5A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  #12V  FET Feature  Schottky Diode (Isolated)  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  61 mOhm @ 3.3A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? SC-70-6 Dual  Package / Case	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Schottky Diode (Isolated)  Power Dissipation (Max)  1.9W (Ta), 6.5W (Tc)  Rds On (Max) @ Id, Vgs  61 mOhm @ 3.3A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? SC-70-6 Dual  Package / Case	Vgs(th) (Max) @ Id	1.5V @ 250μA
Vgs (Max) ±12V  FET Feature Schottky Diode (Isolated)  Power Dissipation (Max) 1.9W (Ta), 6.5W (Tc)  Rds On (Max) @ Id, Vgs 61 mOhm @ 3.3A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package PowerPAK? SC-70-6 Dual  Package / Case PowerPAK? SC-70-6 Dual	Gate Charge (Qg) (Max) @ Vgs	11nC @ 10V
FET Feature Schottky Diode (Isolated)  Power Dissipation (Max) 1.9W (Ta), 6.5W (Tc)  Rds On (Max) @ Id, Vgs 61 mOhm @ 3.3A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package PowerPAK? SC-70-6 Dual  Package / Case PowerPAK? SC-70-6 Dual	Input Capacitance (Ciss) (Max) @ Vds	340pF @ 10V
Power Dissipation (Max)  1.9W (Ta), 6.5W (Tc)  61 mOhm @ 3.3A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? SC-70-6 Dual  Package / Case  PowerPAK? SC-70-6 Dual	Vgs (Max)	±12V
Rds On (Max) @ Id, Vgs61 mOhm @ 3.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? SC-70-6 DualPackage / CasePowerPAK? SC-70-6 Dual	FET Feature	Schottky Diode (Isolated)
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  PowerPAK? SC-70-6 Dual  Package / Case  PowerPAK? SC-70-6 Dual	Power Dissipation (Max)	1.9W (Ta), 6.5W (Tc)
Mounting Type Surface Mount Supplier Device Package PowerPAK? SC-70-6 Dual Package / Case PowerPAK? SC-70-6 Dual	Rds On (Max) @ Id, Vgs	61 mOhm @ 3.3A, 10V
Supplier Device Package PowerPAK? SC-70-6 Dual Package / Case PowerPAK? SC-70-6 Dual	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case PowerPAK? SC-70-6 Dual	Mounting Type	Surface Mount
	Supplier Device Package	PowerPAK? SC-70-6 Dual
Report errors?	Package / Case	PowerPAK? SC-70-6 Dual
		Report errors?

#### SIA814DJ-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.

# SIA814DJ-T1-GE3 Payment Methods





















### SIA814DJ-T1-GE3 Shipping Methods













If you have any question about SIA814DJ-T1-GE3, please do not hesitate to contact us!

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