



SI1307EDL-T1-E3 Information



For Reference Only

Part Number SI1307EDL-T1-E3 **Manufacturer** Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 12V 0.85A SOT323-3

Package SC-70, SOT-323

For the pricing/inventory/lead time, please contact

us

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



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SI1307EDL-T1-E3 Specifications

Manufacturer Part Number SI1307EDL-T1-E3 Manufacturer Vishay Siliconix Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-70, SOT-323 Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 12V Current - Continuous Drain (Id) @ 25°C 850mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 450mV @ 250μA (Min) Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 290mW (Ta) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323		
CategoryDiscrete Semiconductor ProductsPackageSC-70, SOT-323Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)12VCurrent - Continuous Drain (Id) @ 25°C850mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id450mV @ 250μA (Min)Gate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±8VFET Feature-Power Dissipation (Max)290mW (Ta)Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	Manufacturer Part Number	SI1307EDL-T1-E3
Package SC-70, SOT-323 Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 12V Current - Continuous Drain (Id) @ 25°C 850mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 450mV @ 250μA (Min) Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 290mW (Ta) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Manufacturer	Vishay Siliconix
PackageSC-70, SOT-323Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)12VCurrent - Continuous Drain (Id) @ 25°C850mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id450mV @ 250μA (Min)Gate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±8VFET Feature-Power Dissipation (Max)290mW (Ta)Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	Category	Discrete Semiconductor Products
Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 12V Current - Continuous Drain (Id) @ 25°C 850mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 450mV @ 250µA (Min) Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 290mW (Ta) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323		Transistors - FETs, MOSFETs - Single
FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)12VCurrent - Continuous Drain (Id) @ 25°C850mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id450mV @ 250μA (Min)Gate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±8VFET Feature-Power Dissipation (Max)290mW (Ta)Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	Package	SC-70, SOT-323
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)12VCurrent - Continuous Drain (Id) @ 25°C850mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id450mV @ 250μA (Min)Gate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±8VFET Feature-Power Dissipation (Max)290mW (Ta)Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	Series	-
Drain to Source Voltage (Vdss)12VCurrent - Continuous Drain (Id) @ 25°C850mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id450mV @ 250μA (Min)Gate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±8VFET Feature-Power Dissipation (Max)290mW (Ta)Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C B50mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 450mV @ 250μA (Min) Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±8V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 290 mV (Ta) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-70-3 Package / Case	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id450mV @ 250μA (Min)Gate Charge (Qg) (Max) @ Vgs5nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±8VFET Feature-Power Dissipation (Max)290mW (Ta)Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	Drain to Source Voltage (Vdss)	12V
Vgs(th) (Max) @ Id 450mV @ 250μA (Min) Gate Charge (Qg) (Max) @ Vgs 5nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 290mW (Ta) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Current - Continuous Drain (Id) @ 25°C	850mA (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 290mW (Ta) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Vgs(th) (Max) @ Id	450mV @ 250μA (Min)
Vgs (Max)±8VFET Feature-Power Dissipation (Max)290mW (Ta)Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	Gate Charge (Qg) (Max) @ Vgs	5nC @ 4.5V
FET Feature - Power Dissipation (Max) 290mW (Ta) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Input Capacitance (Ciss) (Max) @ Vds	-
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 290 mOhm @ 1A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs290 mOhm @ 1A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSC-70-3Package / CaseSC-70, SOT-323	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Power Dissipation (Max)	290mW (Ta)
Mounting Type Surface Mount Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Rds On (Max) @ Id, Vgs	290 mOhm @ 1A, 4.5V
Supplier Device Package SC-70-3 Package / Case SC-70, SOT-323	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case SC-70, SOT-323	Mounting Type	Surface Mount
-	Supplier Device Package	SC-70-3
Report errors?	Package / Case	SC-70, SOT-323
		Report errors?

SI1307EDL-T1-E3 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.

SI1307EDL-T1-E3 Payment Methods





















SI1307EDL-T1-E3 Shipping Methods













If you have any question about SI1307EDL-T1-E3, please do not hesitate to contact us!

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