



5LN01M-TL-E Information



For Reference Only

Part Number 5LN01M-TL-E
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 50V 0.1A

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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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.









5LN01M-TL-E Specifications

Manufacturer Part Number 5LN01M-TL-E Manufacturer ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-70, SOT-323 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6.6pF @ 10V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case 8C-70, SOT-323		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single SC-70, SOT-323 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) 50V Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case	Manufacturer Part Number	5LN01M-TL-E
Package SC-70, SOT-323 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6.6pF @ 10V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case SC-70, SOT-323	Manufacturer	ON Semiconductor
PackageSC-70, SOT-323Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C100mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs1.57nC @ 10VInput Capacitance (Ciss) (Max) @ Vds6.6pF @ 10VVgs (Max)±10VFET Feature-Power Dissipation (Max)150mW (Ta)Rds On (Max) @ Id, Vgs7.8 Ohm @ 50mA, 4VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-MCPPackage / CaseSC-70, SOT-323	Category	Discrete Semiconductor Products
Series - N-Channel Technology NOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6.6pF @ 10V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case SC-70, SOT-323		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6.6pF @ 10V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case SC-70, SOT-323	Package	SC-70, SOT-323
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 50V MOSFET (Metal Oxide) 50V 100mA (Ta) - 1.57nC @ 10V 6.6pF @ 10V - 1.50mW (Ta) 7.8 Ohm @ 50mA, 4V Operating Temperature Surface Mount Supplier Device Package SC-70, SOT-323	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6.6pF @ 10V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case SC-70, SOT-323	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 100mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6.6pF @ 10V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case SC-70, SOT-323	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1.57nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ETH Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 1.5V, 4V	Drain to Source Voltage (Vdss)	50V
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 Mounting Type Surface Mount Supplier Device Package Package / Case 1.57nC @ 10V 6.6pF @ 10V 5.78 Ohm @ 50mA 7.8 Ohm @ 50mA, 4V 7.8 Ohm @ 50mA, 4V Surface Mount Surface Mount Supplier Device Package SC-70, SOT-323	Current - Continuous Drain (Id) @ 25°C	100mA (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6.6pF @ 10V Vgs (Max) ±10V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 1.57nC @ 10V 6.6pF @ 10V 5.6pF @ 10V 150°C (TJ) Surface Mount Surface Mount Surface Mount	Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-70, SOT-323	Vgs(th) (Max) @ Id	-
Vgs (Max)±10VFET Feature-Power Dissipation (Max)150mW (Ta)Rds On (Max) @ Id, Vgs7.8 Ohm @ 50mA, 4VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-MCPPackage / CaseSC-70, SOT-323	Gate Charge (Qg) (Max) @ Vgs	1.57nC @ 10V
FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-70, SOT-323	Input Capacitance (Ciss) (Max) @ Vds	6.6pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7.8 Ohm @ 50mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-70, SOT-323	Vgs (Max)	±10V
Rds On (Max) @ Id, Vgs7.8 Ohm @ 50mA, 4VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-MCPPackage / CaseSC-70, SOT-323	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case SC-70, SOT-323	Power Dissipation (Max)	150mW (Ta)
Mounting Type Surface Mount Supplier Device Package 3-MCP Package / Case SC-70, SOT-323	Rds On (Max) @ Id, Vgs	7.8 Ohm @ 50mA, 4V
Supplier Device Package 3-MCP Package / Case SC-70, SOT-323	Operating Temperature	150°C (TJ)
Package / Case SC-70, SOT-323	Mounting Type	Surface Mount
	Supplier Device Package	3-МСР
Donout aways 9	Package / Case	SC-70, SOT-323
Report errors?		Report errors?

5LN01M-TL-E 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.

5LN01M-TL-E Payment Methods





















5LN01M-TL-E Shipping Methods













If you have any question about 5LN01M-TL-E, please do not hesitate to contact us!

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