



# **5LP01C-TB-E Information**



For Reference Only

**Part Number** 5LP01C-TB-E **Manufacturer** ON Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 50V 70MA CP **Package** TO-236-3, SC-59, SOT-23-3

For the pricing/inventory/lead time, please contact

us

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



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# **5LP01C-TB-E Specifications**

Manufacturer Part Number         5LPOIC-TB-E           Manufacturer         ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         50V           Current - Continuous Drain (Id) @ 25°C         70mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         1.4nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         7.4pF @ 10V           Vgs (Max)         ± 10V           FET Feature         -           Power Dissipation (Max)         250mW (Ta)           Rds On (Max) @ Id, Vgs         23 Ohm @ 40mA, 4V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         3-CP           Package / Case         TO-236-3, SC-59, SOT-23-3           Report errors?		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  Package  TO-236-3, SC-59, SOT-23-3  Series  - FET Type  P-Channel  Technology  MOSFET (Metal Oxide)  Tourent - Continuous Drain (Id) @ 25°C  TomA (Ta)  Drive Voltage (Max Rds On, Min Rds On)  1.5V, 4V  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1.4nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  7.4pF @ 10V  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  250mW (Ta)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-236-3, SC-59, SOT-23-3	Manufacturer Part Number	5LP01C-TB-E
Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         50V           Current - Continuous Drain (Id) @ 25°C         70mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         1.4nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         7.4pF @ 10V           Vgs (Max)         ±10V           FET Feature         -           Power Dissipation (Max)         250mW (Ta)           Rds On (Max) @ Id, Vgs         23 Ohm @ 40mA, 4V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         3-CP           Package / Case         TO-236-3, SC-59, SOT-23-3	Manufacturer	ON Semiconductor
Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         50V           Current - Continuous Drain (Id) @ 25°C         70mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         1.4nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         7.4pF @ 10V           Vgs (Max)         ±10V           FET Feature         -           Power Dissipation (Max)         250mW (Ta)           Rds On (Max) @ Id, Vgs         23 Ohm @ 40mA, 4V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         3-CP           Package / Case         TO-236-3, SC-59, SOT-23-3	Category	Discrete Semiconductor Products
Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         50V           Current - Continuous Drain (Id) @ 25°C         70mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         1.4nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         7.4pF @ 10V           Vgs (Max)         ±10V           FET Feature         -           Power Dissipation (Max)         250mW (Ta)           Rds On (Max) @ Id, Vgs         23 Ohm @ 40mA, 4V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         3-CP           Package / Case         TO-236-3, SC-59, SOT-23-3		Transistors - FETs, MOSFETs - Single
FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C70mA (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs1.4nC @ 10VInput Capacitance (Ciss) (Max) @ Vds7.4pF @ 10VVgs (Max)±10VFET Feature-Power Dissipation (Max)250mW (Ta)Rds On (Max) @ Id, Vgs23 Ohm @ 40mA, 4VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-CPPackage / CaseTO-236-3, SC-59, SOT-23-3	Package	TO-236-3, SC-59, SOT-23-3
Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 50V  Current - Continuous Drain (Id) @ 25°C 70mA (Ta)  Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1.4nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 7.4pF @ 10V  Vgs (Max) ±10V  FET Feature - Power Dissipation (Max) 250mW (Ta)  Rds On (Max) @ Id, Vgs 23 Ohm @ 40mA, 4V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 3-CP  Package / Case TO-236-3, SC-59, SOT-23-3	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  70mA (Ta)  70mA (Ta)  1.5V, 4V  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1.4nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  7.4pF @ 10V  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  50V  70mA (Ta)  1.5V, 4V  -  7.4pF @ 10V  2.50mW (Ta)  2.50mW (Ta)  2.50mW (Ta)  2.50mW (Ta)  3.CP  7.236-3, SC-59, SOT-23-3	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C 70mA (Ta)  Drive Voltage (Max Rds On, Min Rds On) 1.5V, 4V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1.4nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 7.4pF @ 10V  Vgs (Max) ±10V  FET Feature - Power Dissipation (Max) 250mW (Ta)  Rds On (Max) @ Id, Vgs 23 Ohm @ 40mA, 4V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 3-CP  Package / Case TO-236-3, SC-59, SOT-23-3	Technology	MOSFET (Metal Oxide)
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  250mW (Ta)  Rds On (Max) @ Id, Vgs  23 Ohm @ 40mA, 4V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-236-3, SC-59, SOT-23-3	Drain to Source Voltage (Vdss)	50V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1.4nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 7.4pF @ 10V  Vgs (Max)  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 23 Ohm @ 40mA, 4V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	70mA (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  7.4pF @ 10V  Vgs (Max)  ±10V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  23 Ohm @ 40mA, 4V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  70-236-3, SC-59, SOT-23-3	Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4V
Input Capacitance (Ciss) (Max) @ Vds  7.4pF @ 10V  Vgs (Max)  ±10V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  23 Ohm @ 40mA, 4V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  3-CP  Package / Case  TO-236-3, SC-59, SOT-23-3	Vgs(th) (Max) @ Id	-
Vgs (Max) ±10V  FET Feature -  Power Dissipation (Max) 250mW (Ta)  Rds On (Max) @ Id, Vgs 23 Ohm @ 40mA, 4V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 3-CP  Package / Case TO-236-3, SC-59, SOT-23-3	Gate Charge (Qg) (Max) @ Vgs	1.4nC @ 10V
FET Feature - Case - Ca	Input Capacitance (Ciss) (Max) @ Vds	7.4pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  23 Ohm @ 40mA, 4V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  70-236-3, SC-59, SOT-23-3	Vgs (Max)	±10V
Rds On (Max) @ Id, Vgs23 Ohm @ 40mA, 4VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package3-CPPackage / CaseTO-236-3, SC-59, SOT-23-3	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 3-CP  Package / Case TO-236-3, SC-59, SOT-23-3	Power Dissipation (Max)	250mW (Ta)
Mounting Type Surface Mount Supplier Device Package 3-CP Package / Case TO-236-3, SC-59, SOT-23-3	Rds On (Max) @ Id, Vgs	23 Ohm @ 40mA, 4V
Supplier Device Package 3-CP Package / Case TO-236-3, SC-59, SOT-23-3	Operating Temperature	150°C (TJ)
Package / Case TO-236-3, SC-59, SOT-23-3	Mounting Type	Surface Mount
	Supplier Device Package	3-CP
Report errors?	Package / Case	TO-236-3, SC-59, SOT-23-3
		Report errors?

#### **5LP01C-TB-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.

### **5LP01C-TB-E Payment Methods**



















## **5LP01C-TB-E Shipping Methods**













If you have any question about 5LP01C-TB-E, please do not hesitate to contact us!

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