



### **RSJ250P10TL Information**



For Reference Only

Part Number RSJ250P10TL

Manufacturer Rohm Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 100V 25A LPTS

Package SC-83

For the pricing/inventory/lead time, please contact

us

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



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## **RSJ250P10TL Specifications**

Manufacturer Part Number         RSJ250P10TL           Manufacturer         Rohm Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         SC-83           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         25A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         60nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         8000pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         50W (Tc)           Rds On (Max) @ Id, Vgs         63 mOhm @ 25A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         LPTS           Package / Case         SC-83		
CategoryDiscrete Semiconductor ProductsPackageSC-83Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C25A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 10VVgs(th) (Max) @ Id2.5V @ ImAGate Charge (Qg) (Max) @ Vgs60nC @ 5VInput Capacitance (Ciss) (Max) @ Vds8000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs63 mOhm @ 25A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageLPTSPackage / CaseSC-83	Manufacturer Part Number	RSJ250P10TL
Package         SC-83           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         25A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         60nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         8000pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         50W (Tc)           Rds On (Max) @ Id, Vgs         63 mOhm @ 25A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         LPTS           Package / Case         SC-83	Manufacturer	Rohm Semiconductor
PackageSC-83Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C25A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 10VVgs(th) (Max) @ Id2.5V @ 1mAGate Charge (Qg) (Max) @ Vgs60nC @ 5VInput Capacitance (Ciss) (Max) @ Vds8000pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs63 mOhm @ 25A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageLPTSPackage / CaseSC-83	Category	Discrete Semiconductor Products
Series - P-Channel P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 25A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 60nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 63 mOhm @ 25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LPTS Package / Case 5000		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 25A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 60nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 63 mOhm @ 25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LPTS Package / Case SC-83	Package	SC-83
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 25A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate 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  MOSFET (Metal Oxide) 100V  25A (Ta)  4V, 10V  25A (Ta)  60nC @ 5V  8000pF @ 25V  25V @ 1mA  8000pF @ 25V  220V  63mOhm @ 25A, 10V  50W (Tc)  63 mOhm @ 25A, 10V  CI)  Surface Mount Supplier Device Package LPTS  Package / Case	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  25A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Sow (Tc)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  100V  25A (Ta)  25A (Ta)  25A (Ta)  25A (Ta)  25V (ImA  60nC @ 5V  8000pF @ 25V  25V  50V (Te)  63 mOhm @ 25A, 10V  150°C (TJ)  Surface Mount  Supplier Device Package  LPTS  Package / Case	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C 25A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4V, 10V  Vgs(th) (Max) @ Id 2.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 60nC @ 5V  Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 25V  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 50W (Tc)  Rds On (Max) @ Id, Vgs 63 mOhm @ 25A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package LPTS  Package / Case SC-83	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate 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  Annual Av, 10V  2.5V @ 1mA  60nC @ 5V  8000pF @ 25V  25V  25V  26V  26V  26V  27C  28C  28C  28C  28C  28C  28C  28C	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  8000pF @ 25V  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  63 mOhm @ 25A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  LPTS  Package / Case  SC-83	Current - Continuous Drain (Id) @ 25°C	25A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  +20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  63 mOhm @ 25A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  LPTS  Package / Case  SC-83	Drive Voltage (Max Rds On, Min Rds On)	4V, 10V
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  LPTS  Package / Case  8000pF @ 25V  800pF	Vgs(th) (Max) @ Id	2.5V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs63 mOhm @ 25A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageLPTSPackage / CaseSC-83	Gate Charge (Qg) (Max) @ Vgs	60nC @ 5V
FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 63 mOhm @ 25A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LPTS Package / Case SC-83	Input Capacitance (Ciss) (Max) @ Vds	8000pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  63 mOhm @ 25A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  LPTS  Package / Case  SC-83	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 63 mOhm @ 25A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package LPTS  Package / Case SC-83	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package LPTS  Package / Case SC-83	Power Dissipation (Max)	50W (Tc)
Mounting Type Surface Mount Supplier Device Package LPTS Package / Case SC-83	Rds On (Max) @ Id, Vgs	63 mOhm @ 25A, 10V
Supplier Device Package LPTS Package / Case SC-83	Operating Temperature	150°C (TJ)
Package / Case SC-83	Mounting Type	Surface Mount
•	Supplier Device Package	LPTS
Report errors?	Package / Case	SC-83
		Report errors?

#### **RSJ250P10TL 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.

# **RSJ250P10TL Payment Methods**



















### **RSJ250P10TL Shipping Methods**













If you have any question about RSJ250P10TL, please do not hesitate to contact us!

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