



### **RRR040P03TL Information**



For Reference Only

Part Number RRR040P03TL

Manufacturer Rohm Semiconductor

**Category** Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 30V 4A TSMT3

Package SC-96

For the pricing/inventory/lead time, please contact

us

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



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## **RRR040P03TL Specifications**

Manufacturer Part Number         RRR040P03TL           Manufacturer         Rohm Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         SC-96           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         4A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         10.5nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         1000pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1W (Ta)           Rds On (Max) @ Id, Vgs         45 mOhm @ 4A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TSMT3           Package / Case         SC-96		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  SC-96  Series  - FET Type  P-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  AA (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ### 20V  ### 20V	Manufacturer Part Number	RRR040P03TL
Package         SC-96           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         4A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         10.5nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         1000pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1W (Ta)           Rds On (Max) @ Id, Vgs         45 mOhm @ 4A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TSMT3           Package / Case         SC-96	Manufacturer	Rohm Semiconductor
Package         SC-96           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         4A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         2.5V @ ImA           Gate Charge (Qg) (Max) @ Vgs         10.5nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         1000pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1W (Ta)           Rds On (Max) @ Id, Vgs         45 mOhm @ 4A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TSMT3           Package / Case         SC-96	Category	Discrete Semiconductor Products
Series - Channel P-Channel MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 4A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 10.5nC @ 5V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1V(Ta) Rds On (Max) @ Id, Vgs 45 mOhm @ 4A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package TSMT3 Package / Case		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 4A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 10.5nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1000pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1W (Ta) Rds On (Max) @ Id, Vgs 45 mOhm @ 4A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TSMT3 Package / Case SOC	Package	SC-96
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  4A (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)  30V  MOSFET (Metal Oxide)  30V  4A (Ta)  4A (Ta)  10V  2.5V @ ImA  10.5nC @ 5V  1000pF @ 10V  2.20V  420V  FET Feature  -  Power Dissipation (Max)  1W (Ta)  45 mOhm @ 4A, 10V  Operating Temperature  Surface Mount  Supplier Device Package  TSMT3  Package / Case	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  4A (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  Surplice Package  Package / Case  30V  4A (Ta)  4A (Ta)  4A (Ta)  4D (Ta)  4V, 10V  2.5V @ 1mA  10.5nC @ 5V  1000pF @ 10V  2.5V @ 1mA  10V (Ta)  420V  FET Feature  -  Power Dissipation (Max)  1W (Ta)  45 mOhm @ 4A, 10V  Operating Temperature  150°C (TJ)  Surface Mount  Supplier Device Package  TSMT3  Package / Case	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  #20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  45 mOhm @ 4A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  4A (Ta)  4V, 10V  4V, 10V  4V, 10V  10.5nC @ 5V  1000pF @ 10V  #20V  FET Feature  -  Power Dissipation (Max)  1W (Ta)  45 mOhm @ 4A, 10V  TSMT3  Surface Mount	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)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  At mOhm @ 4A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  At V, 10V  2.5V @ 1mA  10.5nC @ 5V  1000pF @ 10V  420V  FET Fe ature  -  Surface Mount  TSMT3  Package / Case  SC-96	Drain to Source Voltage (Vdss)	30V
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  TSMT3  Package / Case  Pose  10.5nC @ 5V  1000pF @ 10V  2.5V @ 1mA  2.5v @ 1mA	Current - Continuous Drain (Id) @ 25°C	4A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  +20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  10.5nC @ 5V  1000pF @ 10V  1000pF @ 10V  1000pF @ 10V  1000pF @ 10V  420V  FET Feature  -  Surface Mount  Surface Mount  Surface Mount  Supplier Device Package  TSMT3  SC-96	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  45 mOhm @ 4A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TSMT3  Package / Case  SC-96	Vgs(th) (Max) @ Id	2.5V @ 1mA
Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 1W (Ta)  Rds On (Max) @ Id, Vgs 45 mOhm @ 4A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TSMT3  Package / Case SC-96	Gate Charge (Qg) (Max) @ Vgs	10.5nC @ 5V
FET Feature - Power Dissipation (Max) 1W (Ta) Rds On (Max) @ Id, Vgs 45 mOhm @ 4A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TSMT3 Package / Case SC-96	Input Capacitance (Ciss) (Max) @ Vds	1000pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  45 mOhm @ 4A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TSMT3  Package / Case  SC-96	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs45 mOhm @ 4A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTSMT3Package / CaseSC-96	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TSMT3  Package / Case SC-96	Power Dissipation (Max)	1W (Ta)
Mounting Type Surface Mount Supplier Device Package TSMT3 Package / Case SC-96	Rds On (Max) @ Id, Vgs	45 mOhm @ 4A, 10V
Supplier Device Package TSMT3 Package / Case SC-96	Operating Temperature	150°C (TJ)
Package / Case SC-96	Mounting Type	Surface Mount
	Supplier Device Package	TSMT3
Report errors?	Package / Case	SC-96
		Report errors?

#### **RRR040P03TL 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.

### **RRR040P03TL Payment Methods**



















## **RRR040P03TL Shipping Methods**













If you have any question about RRR040P03TL, please do not hesitate to contact us!

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