



#### **RMW280N03TB Information**



For Reference Only

Part Number RMW280N03TB

Manufacturer Rohm Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 30V 28A 8PSOP

Package 8-SMD, Flat Lead

For the pricing/inventory/lead time, please contact

us

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



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## **RMW280N03TB Specifications**

Manufacturer Part Number         RMW280N03TB           Manufacturer         Rohm Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SMD, Flat Lead           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         28A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ ImA           Gate Charge (Qg) (Max) @ Vgs         330P @ 15V           Input Capacitance (Ciss) (Max) @ Vds         3130p @ 15V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         3W (Ta)           Rds On (Max) @ Id, Vgs         2.8 mOhm @ 28A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-PSOP           Package / Case         8-SMD, Flat Lead		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackage8-SMD, Flat LeadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C28A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 1mAGate Charge (Qg) (Max) @ Vgs53nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3130pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)3W (Ta)Rds On (Max) @ Id, Vgs2.8 mOhm @ 28A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-PSOP	Manufacturer Part Number	RMW280N03TB
Package 8-SMD, Flat Lead  Series - FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 30V  Current - Continuous Drain (Id) @ 25°C 28A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V  Vgs(th) (Max) @ Id 2.5V @ ImA  Gate Charge (Qg) (Max) @ Vgs 53nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 3130pF @ 15V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs 2.8 mOhm @ 28A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-PSOP	Manufacturer	Rohm Semiconductor
Package8-SMD, Flat LeadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C28A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ ImAGate Charge (Qg) (Max) @ Vgs53nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3130pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)3W (Ta)Rds On (Max) @ Id, Vgs2.8 mOhm @ 28A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-PSOP	Category	Discrete Semiconductor Products
Series - N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 28A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 53nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3130pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3W (Ta) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 28A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PSOP		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 28A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 53nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3130pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3W (Ta) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 28A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-PSOP	Package	8-SMD, Flat Lead
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 28A (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) Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2.8 mOhm @ 28A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package  MOSFET (Metal Oxide) 30V 28A (Ta) 2.5V @ 1mA 2.5V @ 1mA 3.130pF @ 15V 4.20V 4.5V @ 10V 3.130pF @ 15V 4.5V @ 10V 3.130pF @ 15V 4.5V @ 10V 3.130pF @ 15V 4.5V @ 10V 4.5V @ 10	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  28A (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  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package	FET Type	N-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  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Departing Temperature  Mounting Type  Surface Mount  Supplier Device Package  28A (Ta)  28A (Ta)  28A (Ta)  28A (Ta)  28A (Ta)  25V @ 1mA  3130pF @ 15V  3130pF @ 15V  420V  53R (Ta)  28 mOhm @ 28A, 10V  53R (Ta)  Surface Mount  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)  **ET Feature*  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  4.5V, 10V  2.5V @ 1mA  3130pF @ 15V  **E20V  **ET Feature*  -  Power Dissipation (Max)  3W (Ta)  2.8 mOhm @ 28A, 10V  Surface Mount  Supplier Device Package	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  2.5V @ 1mA  2.6V  3130pF @ 15V	Current - Continuous Drain (Id) @ 25°C	28A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  53nC @ 10V  3130pF @ 15V  220V  520V  53mC @ 10V  3130pF @ 15V  220V  520V  53mC @ 10V  53mC @ 15V  53mC @ 10NC  53m	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 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  3130pF @ 15V  220V  220V  230 (Ta)  240 (Ta)  250 (TJ)  260 (TJ)  270 (TJ)  271 (TJ)	Vgs(th) (Max) @ Id	2.5V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)3W (Ta)Rds On (Max) @ Id, Vgs2.8 mOhm @ 28A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-PSOP	Gate Charge (Qg) (Max) @ Vgs	53nC @ 10V
FET Feature -  Power Dissipation (Max) 3W (Ta)  Rds On (Max) @ Id, Vgs 2.8 mOhm @ 28A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-PSOP	Input Capacitance (Ciss) (Max) @ Vds	3130pF @ 15V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.8 mOhm @ 28A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-PSOP	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs2.8 mOhm @ 28A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-PSOP	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-PSOP	Power Dissipation (Max)	3W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-PSOP	Rds On (Max) @ Id, Vgs	2.8 mOhm @ 28A, 10V
Supplier Device Package 8-PSOP	Operating Temperature	150°C (TJ)
••	Mounting Type	Surface Mount
Package / Case 8-SMD, Flat Lead	Supplier Device Package	8-PSOP
	Package / Case	8-SMD, Flat Lead
Report errors?		Report errors?

#### **RMW280N03TB 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.

### RMW280N03TB Payment Methods



















### RMW280N03TB Shipping Methods













If you have any question about RMW280N03TB, please do not hesitate to contact us!

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