



RRH140P03TB1 Information



For Reference Only

Part Number RRH140P03TB1

Manufacturer Rohm Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

DescriptionMOSFET P-CH 30V 14A SOP8**Package**8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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RRH140P03TB1 Specifications

Manufacturer Part Number RRH140P03TB1 Manufacturer Rohm Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 14A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 80nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 650mW (Ta) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - Continuous Drain (Id) @ 25°C 14A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Nonce (Sv Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 10V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	RRH140P03TB1
Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 14A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id 2.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 80nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 8000F @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 650mW (Ta) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Manufacturer	Rohm Semiconductor
Package8-SOIC (0.154", 3.90mm Width)Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C14A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 10VVgs(th) (Max) @ Id2.5V @ 1mAGate Charge (Qg) (Max) @ Vgs80nC @ 5VInput Capacitance (Ciss) (Max) @ Vds8000pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)650mW (Ta)Rds On (Max) @ Id, Vgs7 mOhm @ 14A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPPackage / Case8-SOIC (0.154", 3.90mm Width)	Category	Discrete Semiconductor Products
Series - Channel PET Type P-Channel MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - Continuous Drain (Id) @ 25°C 14A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 80nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 650mW (Ta) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 14A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 80nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 650mW (Ta) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 14A (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) **EUV** FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 30V MOSFET (Metal Oxide) 30V 144 (Ta) 145 (Ta) 4V, 10V 2.5V @ 1mA 80nC @ 5V 8000pF @ 10V **EUV** **EUV** **FET Feature -**Power Dissipation (Max) 650mW (Ta) 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Surface Mount Supplier Device Package 8-SOP Package / Case	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 14A (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 Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 14A (Ta) 14A (Ta) 14A (Ta) 14A (Ta) 15V @ ImA 80V @ ImA 80NC @ 5V 8000pF @ 10V 2.5V @ ImA 8000pF @ 10V 420V FET Feature - Power Dissipation (Max) 650mW (Ta) 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Surface Mount 8-SOP 8-SOIC (0.154", 3.90mm Width)	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 Vgs (Max) Ygs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs The moderating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 14A (Ta) 4V, 10V 4V, 10V 2.5V @ 1mA 8000 pF @ 10V 8000 pF @ 10V FET Feature - 7 7 8000 pF @ 10V 7 8000 pF @ 10V 150°C (TJ) Surface Mount Supplier Device Package 8-SOP 8-SOIC (0.154", 3.90mm Width)	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 The moderating Temperature The moderating Temperature Surface Mount Supplier Device Package Package / Case Annual Average (Vg) (Max) Average (Vg) (Max) 4V, 10V 4V, 10V 4V, 10V 65V ImA 8000 pF @ 10V \$4000 pF @ 10V \$4	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs RonC @ 5V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	14A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Drive Voltage (Max Rds On, Min Rds On)	4V, 10V
Input Capacitance (Ciss) (Max) @ Vds 8000pF @ 10V Vgs (Max) ET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	2.5V @ 1mA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 650mW (Ta) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	80nC @ 5V
FET Feature - G50mW (Ta) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	8000pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 7 mOhm @ 14A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs7 mOhm @ 14A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	650mW (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	7 mOhm @ 14A, 10V
Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SOP
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

RRH140P03TB1 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.

RRH140P03TB1 Payment Methods



















RRH140P03TB1 Shipping Methods













If you have any question about RRH140P03TB1, please do not hesitate to contact us!

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