



### RJK03M5DNS-00#J5 Information



For Reference Only

Part Number RJK03M5DNS-00#J5

ManufacturerRenesas Electronics AmericaCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 30V 25A HWSON

Package 8-PowerWDFN

For the pricing/inventory/lead time, please contact

us

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



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## **RJK03M5DNS-00#J5 Specifications**

Manufacturer Part Number         RIK03M5DNS-00#J5           Manufacturer         Renesas Electronics America           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-PowerWDFN           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         25A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         10.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         1890pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         15W (Tc)           Rds On (Max) @ Id, Vgs         6.3 mOhm @ 12.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-HWSON (3.3x3.3)           Package / Case         8-PowerWDFN		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  8-PowerWDFN  Series  - FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Toxin to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  25A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vds  Input Capacitance (Ciss) (Max) @ Vds  1890pF @ 10V  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  MOSFET (Metal Oxide)  15W (Tc)  Rds On (Max) @ Id, Vgs  Operating Temperature  Surface Mount  Surface Mount  Supplier Device Package  8-HWSON (3.3x3.3)  Package / Case	Manufacturer Part Number	RJK03M5DNS-00#J5
Package         8-PowerWDFN           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         25A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         10.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         1890pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         15W (Tc)           Rds On (Max) @ Id, Vgs         6.3 mOhm @ 12.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-HWSON (3.3x3.3)           Package / Case         8-PowerWDFN	Manufacturer	Renesas Electronics America
Package         8-PowerWDFN           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         25A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         10.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         1890pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         15W (Tc)           Rds On (Max) @ Id, Vgs         6.3 mOhm @ 12.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-HWSON (3.3x3.3)           Package / Case         8-PowerWDFN	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         25A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         10.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         1890pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         15W (Tc)           Rds On (Max) @ Id, Vgs         6.3 mOhm @ 12.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-HWSON (3.3x3.3)           Package / Case         8-PowerWDFN		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 25A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 10.4nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 1890pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 15W (Tc) Rds On (Max) @ Id, Vgs 6.3 mOhm @ 12.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-HWSON (3.3x3.3) Package / Case 8-PowerWDFN	Package	8-PowerWDFN
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  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  8-PowerWDFN	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  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  S-PowerWDFN	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 25A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 10.4nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds 1890pF @ 10V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 15W (Tc)  Rds On (Max) @ Id, Vgs 6.3 mOhm @ 12.5A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-HWSON (3.3x3.3)  Package / Case 8-PowerWDFN	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  6.3 mOhm @ 12.5A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Power WDFN	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 10.4nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 1890pF @ 10V Vgs (Max)  FET Feature - Power Dissipation (Max) 15W (Tc) Rds On (Max) @ Id, Vgs 6.3 mOhm @ 12.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-HWSON (3.3x3.3) Package / Case 8-PowerWDFN	Current - Continuous Drain (Id) @ 25°C	25A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1890pF @ 10V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.3 mOhm @ 12.5A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-HWSON (3.3x3.3)  Package / Case  8-PowerWDFN	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  6.3 mOhm @ 12.5A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-HWSON (3.3x3.3)  Package / Case  8-PowerWDFN	Vgs(th) (Max) @ Id	-
Vgs (Max)±20VFET Feature-Power Dissipation (Max)15W (Tc)Rds On (Max) @ Id, Vgs6.3 mOhm @ 12.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-HWSON (3.3x3.3)Package / Case8-PowerWDFN	Gate Charge (Qg) (Max) @ Vgs	10.4nC @ 4.5V
FET Feature - Power Dissipation (Max) 15W (Tc) Rds On (Max) @ Id, Vgs 6.3 mOhm @ 12.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-HWSON (3.3x3.3) Package / Case 8-PowerWDFN	Input Capacitance (Ciss) (Max) @ Vds	1890pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.3 mOhm @ 12.5A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-HWSON (3.3x3.3)  Package / Case  8-PowerWDFN	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs6.3 mOhm @ 12.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-HWSON (3.3x3.3)Package / Case8-PowerWDFN	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-HWSON (3.3x3.3)  Package / Case 8-PowerWDFN	Power Dissipation (Max)	15W (Tc)
Mounting Type Surface Mount Supplier Device Package 8-HWSON (3.3x3.3) Package / Case 8-PowerWDFN	Rds On (Max) @ Id, Vgs	6.3 mOhm @ 12.5A, 10V
Supplier Device Package 8-HWSON (3.3x3.3) Package / Case 8-PowerWDFN	Operating Temperature	150°C (TJ)
Package / Case 8-PowerWDFN	Mounting Type	Surface Mount
	Supplier Device Package	8-HWSON (3.3x3.3)
Report errors?	Package / Case	8-PowerWDFN
		Report errors?

#### **RJK03M5DNS-00#J5 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.

### RJK03M5DNS-00#J5 Payment Methods



















# **RJK03M5DNS-00#J5 Shipping Methods**













If you have any question about RJK03M5DNS-00#J5, please do not hesitate to contact us!

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