



RJK0851DPB-00#J5 Information



For Reference Only

Part Number RJK0851DPB-00#J5

ManufacturerRenesas Electronics AmericaCategoryDiscrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 80V 20A LFPAK

Package SC-100, SOT-669

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









RJK0851DPB-00#J5 Specifications

Manufacturer Part Number RJK0851DPB-00#J5 Manufacturer Renesas Electronics America Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-100, SOT-669 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 80V Current - Continuous Drain (Id) @ 25°C 20A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 14nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 2050pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669 Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Scries Scries FET Type N-Channel Technology MOSFET (Metal Oxide) Parin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 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) A5W (Tc) Rds On (Max) @ Id, Vgs Cys (Id) Rds On (Max) @ Id, Vgs Dysating Temperature Mounting Type Surface Mount Surface Mount Surface Mount Surface Mount LFPAK Package / Case	Manufacturer Part Number	RJK0851DPB-00#J5
Package SC-100, SOT-669 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 80V Current - Continuous Drain (Id) @ 25°C 20A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 14nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 2050pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Manufacturer	Renesas Electronics America
PackageSC-100, SOT-669Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)80VCurrent - Continuous Drain (Id) @ 25°C20A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 1mAGate Charge (Qg) (Max) @ Vgs14nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds2050pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)45W (Tc)Rds On (Max) @ Id, Vgs23 mOhm @ 10A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageLFPAKPackage / CaseSC-100, SOT-669	Category	Discrete Semiconductor Products
Series - Channel FET Type N-Channel Technology MOSFET (Metal Oxide) Bovario to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 20A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 14nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 2050pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case Source 2008 (Max) 80V MOSFET (Metal Oxide) 80V AUSTER (Metal Oxide)		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 80V Current - Continuous Drain (Id) @ 25°C 20A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 14nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 2050pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Package	SC-100, SOT-669
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 20A (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 MOSFET (Metal Oxide) 80V 80V 80V 80V 20A (Ta) 14nV 2.5V @ 1mA 14nC @ 4.5V 14nC	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 20A (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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 80V 20A (Ta) 20A (Ta) 20A (Ta) 20A (Ta) 20A (Ta) 20A (Ta) 20F (ImA 2.5V @ ImA 2.5V @ ImA	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 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 Capacitance (Max) @ 10A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 20A (Ta) 20A (Ta) 4.5V, 10V 2.5V @ 1mA 4.5V 2050pF @ 10V 4.5V 2050pF @ 10V 2070 20	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 Coperating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 4.5V, 10V 2.5V @ 1mA 14nC @ 4.5V 14nC @ 4.5V 14nC @ 4.5V 2050pF @ 10V 2050pF @ 1	Drain to Source Voltage (Vdss)	80V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) As W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case SC-100, SOT-669	Current - Continuous Drain (Id) @ 25°C	20A (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 Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case 14nC @ 4.5V 2050pF @ 10V 2050pF @ 10V 420V 45W (Tc) 23 mOhm @ 10A, 10V Surface Mount Surface Mount Surface Mount Supplier Device Package LFPAK SC-100, SOT-669	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 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Vgs(th) (Max) @ Id	2.5V @ 1mA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Gate Charge (Qg) (Max) @ Vgs	14nC @ 4.5V
FET Feature - Power Dissipation (Max) 45W (Tc) Rds On (Max) @ Id, Vgs 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Input Capacitance (Ciss) (Max) @ Vds	2050pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 23 mOhm @ 10A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs23 mOhm @ 10A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageLFPAKPackage / CaseSC-100, SOT-669	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Power Dissipation (Max)	45W (Tc)
Mounting Type Surface Mount Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Rds On (Max) @ Id, Vgs	23 mOhm @ 10A, 10V
Supplier Device Package LFPAK Package / Case SC-100, SOT-669	Operating Temperature	150°C (TJ)
Package / Case SC-100, SOT-669	Mounting Type	Surface Mount
	Supplier Device Package	LFPAK
Report errors?	Package / Case	SC-100, SOT-669
		Report errors?

RJK0851DPB-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.

RJK0851DPB-00#J5 Payment Methods

































If you have any question about RJK0851DPB-00#J5, please do not hesitate to contact us!

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