



RJK5012DPE-00#J3 Information



For Reference Only

Part Number RJK5012DPE-00#J3

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

Description MOSFET N-CH 500V 12A LDPAK

Package SC-83

For the pricing/inventory/lead time, please contact

us

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



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RJK5012DPE-00#J3 Specifications

Manufacturer Part Number RJK5012DPE-00#I3 Manufacturer Renesas Electronics America Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-83 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 12A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 1100pF @ 25V Vgs (Max) Vds Input Capacitance (Ciss) (Max) @ Vds 1100pF @ 25V Vgs (Max) 30V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-83 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 12A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1100pF @ 25V Vgs (Max) L30V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 100W (Tc) Surface Mount Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case	Manufacturer Part Number	RJK5012DPE-00#J3
Package SC-83 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 12A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 29nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1100pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Manufacturer	Renesas Electronics America
PackageSC-83Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C12A (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs29nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1100pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)100W (Tc)Rds On (Max) @ Id, Vgs620 mOhm @ 6A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package4-LDPAKPackage / CaseSC-83	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 12A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 29nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1100pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case Source Source (Source Continue) Surface Mount		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 12A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 29nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1100pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case Screating 150°C (TS)	Package	SC-83
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 12A (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 MOSFET (Metal Oxide) 500V MOSFET (Metal Oxide) 500V 12A (Ta) 10V 10V 10V 10V 10V 10V 10V 10	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 12A (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 12A (Ta) 10V 10V 10V 10V 10V 10V 10V 10	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V 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 620 mOhm @ 6A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 12A (Ta) 10V 10V 10V 10V 629nC @ 10V 1100pF @ 25V 25V 25V 25V 25V 25V 25V 25V	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 620 mOhm @ 6A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 10V	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 29nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1100pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Current - Continuous Drain (Id) @ 25°C	12A (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 Package / Case 29nC @ 10V 1100pF @ 25V ±30V FET Feature - 000 (Tc) 620 mOhm @ 6A, 10V Surface Mount Surface Mount Supplier Device Package 4-LDPAK SC-83	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Vgs(th) (Max) @ Id	-
Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 100W (Tc) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Gate Charge (Qg) (Max) @ Vgs	29nC @ 10V
FET Feature - 100W (Tc) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Input Capacitance (Ciss) (Max) @ Vds	1100pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 620 mOhm @ 6A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs620 mOhm @ 6A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package4-LDPAKPackage / CaseSC-83	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Power Dissipation (Max)	100W (Tc)
Mounting Type Surface Mount Supplier Device Package 4-LDPAK Package / Case SC-83	Rds On (Max) @ Id, Vgs	620 mOhm @ 6A, 10V
Supplier Device Package 4-LDPAK Package / Case SC-83	Operating Temperature	150°C (TJ)
Package / Case SC-83	Mounting Type	Surface Mount
-	Supplier Device Package	4-LDPAK
Report errors?	Package / Case	SC-83
		Report errors?

RJK5012DPE-00#J3 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.

RJK5012DPE-00#J3 Payment Methods





















RJK5012DPE-00#J3 Shipping Methods













If you have any question about RJK5012DPE-00#J3, please do not hesitate to contact us!

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