



#### RJK0660DPA-00#J5A Information

(A) Heisener.com

Part Number RJK0660DPA-00#J5A

Manufacturer Renesas Electronics America

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 60V 40A WPAK

Package 8-WFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
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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.









# **RJK0660DPA-00#J5A Specifications**

| Manufacturer Part NumberRJK0660DPA-00#J5AManufacturerRenesas Electronics AmericaCategoryDiscrete Semiconductor Products<br>Transistors - FETs, MOSFETs - SinglePackage8-WFDFN Exposed PadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C40A (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3600pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)65W (Tc)Rds On (Max) @ Id, Vgs5.1 mOhm @ 20A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-WPAKPackage / Case8-WFDFN Exposed Pad   |  |                                      |
|--|--|--------------------------------------|
| Category  Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single  8-WFDFN Exposed Pad  Series  - FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Forin to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  40A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1nput Capacitance (Ciss) (Max) @ Vds  3600pF @ 10V  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  5.1 mOhm @ 20A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  8-WPAK  Package / Case   | Manufacturer Part Number               | RJK0660DPA-00#J5A                    |
| Package         8-WFDFN Exposed Pad           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         40A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         45nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3600pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         65W (Tc)           Rds On (Max) @ Id, Vgs         5.1 mOhm @ 20A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-WPAK           Package / Case         8-WFDFN Exposed Pad   | Manufacturer                           | Renesas Electronics America          |
| Package8-WFDFN Exposed PadSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C40A (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs45nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3600pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)65W (Tc)Rds On (Max) @ Id, Vgs5.1 mOhm @ 20A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-WPAKPackage / Case8-WFDFN Exposed Pad  | Category                               | Discrete Semiconductor Products      |
| Series - Channel PET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 40A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id - Change (Qg) (Max) @ Vgs 45nC 10V Input Capacitance (Ciss) (Max) @ Vds 3600pF @ 10V Vgs (Max) ±20V FET Feature - Change (Dg) (Max) @ Vgs 51 mOhm @ 20A, 10V Dreating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-WPAK Package / Case  |  | Transistors - FETs, MOSFETs - Single |
| FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 40A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 45nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3600pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 65W (Tc) Rds On (Max) @ Id, Vgs 5.1 mOhm @ 20A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-WPAK Package / Case  | Package                                | 8-WFDFN Exposed Pad                  |
| Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  40A (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)  **E20V  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)  60V  **OV  **OV  **COV  **ET (Metal Oxide)  60V  **COV  **ET (Metal Oxide)  60V  **COV  **ET (Aux)  **ET (Power (Disv)  **ET (Power (Di | Series                                 | -                                    |
| Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  40A (Ta)  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  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  60V  40A (Ta)  | FET Type                               | N-Channel                            |
| Current - Continuous Drain (Id) @ 25°C 40A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 45nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 3600pF @ 10V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 65W (Tc)  Rds On (Max) @ Id, Vgs 5.1 mOhm @ 20A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-WPAK  Package / Case 8-WFDFN Exposed Pad  | 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  Son (Max) @ Id, Vg | Drain to Source Voltage (Vdss)         | 60V                                  |
| Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs  | Current - Continuous Drain (Id) @ 25°C | 40A (Ta)                             |
| Gate Charge (Qg) (Max) @ Vgs 45nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3600pF @ 10V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 65W (Tc)  Rds On (Max) @ Id, Vgs 5.1 mOhm @ 20A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-WPAK  Package / Case 8-WFDFN Exposed Pad   | Drive Voltage (Max Rds On, Min Rds On) | 10V                                  |
| Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  5.1 mOhm @ 20A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-WPAK  Package / Case  8-WFDFN Exposed Pad   | Vgs(th) (Max) @ Id                     | -                                    |
| Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 65W (Tc)  Rds On (Max) @ Id, Vgs 5.1 mOhm @ 20A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-WPAK  Package / Case 8-WFDFN Exposed Pad   | Gate Charge (Qg) (Max) @ Vgs           | 45nC @ 10V                           |
| FET Feature - Power Dissipation (Max) 65W (Tc) Rds On (Max) @ Id, Vgs 5.1 mOhm @ 20A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-WPAK Package / Case 8-WFDFN Exposed Pad   | Input Capacitance (Ciss) (Max) @ Vds   | 3600pF @ 10V                         |
| Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  5.1 mOhm @ 20A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-WPAK  Package / Case  8-WFDFN Exposed Pad  | Vgs (Max)                              | ±20V                                 |
| Rds On (Max) @ Id, Vgs5.1 mOhm @ 20A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-WPAKPackage / Case8-WFDFN Exposed Pad   | FET Feature                            | -                                    |
| Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-WPAK  Package / Case 8-WFDFN Exposed Pad  | Power Dissipation (Max)                | 65W (Tc)                             |
| Mounting Type Surface Mount Supplier Device Package 8-WPAK Package / Case 8-WFDFN Exposed Pad  | Rds On (Max) @ Id, Vgs                 | 5.1 mOhm @ 20A, 10V                  |
| Supplier Device Package 8-WPAK Package / Case 8-WFDFN Exposed Pad  | Operating Temperature                  | 150°C (TJ)                           |
| Package / Case 8-WFDFN Exposed Pad   | Mounting Type                          | Surface Mount                        |
| ·  | Supplier Device Package                | 8-WPAK                               |
| Report errors?   | Package / Case                         | 8-WFDFN Exposed Pad                  |
|  |  | Report errors?                       |

#### RJK0660DPA-00#J5A 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.

### RJK0660DPA-00#J5A Payment Methods



















# RJK0660DPA-00#J5A Shipping Methods













If you have any question about RJK0660DPA-00#J5A, please do not hesitate to contact us!

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