

## R7004203XXUA

a Quote

#### **R7004203XXUA Information**

| Heisener.com       | Part Number  | R7004203XXUA  |               |
|--------------------|--------------|---|---------------|
|                    | Manufacturer | Powerex Inc.  | - Finia       |
|                    | Category     | Discrete Semiconductor Products<br>Diodes - Rectifiers - Single           | 5             |
|                    | Description  | DIODE GEN PURP 4.2KV 300A DO200   | _ <b>1</b> 16 |
|                    | Package      | DO-200AA, A-PUK   |               |
|                    |              | For the pricing/inventory/lead time, please contact                       |               |
| For Reference Only |              | us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com | Requ          |

### **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.



#### **R7004203XXUA** Specifications

| Manufacturer Powerex Inc.   Category Discrete Semiconductor Products   Diodes - Rectifiers - Single Diodes - Rectifiers - Single   Package DO-200AA, A-PUK   Series -   Diode Type Standard   Voltage - DC Reverse (Vr) (Max) 4200V   Current - Average Rectified (Io) 300A   Voltage - Forward (Vf) (Max) @ If 2.15V @ 1500A   Speed Standard Recovery >500ns, > 200mA (Io)   Reverse Recovery Time (trr) 9µs   Current - Reverse Leakage @ Vr 50mA @ 4200V   Capacitance @ Vr, F -   Mounting Type Chassis, Stud Mount   Package / Case DO-200AA, A-PUK |                                   |  |
|---|-----------------------------------|--|
| CategoryDiscrete Semiconductor Products<br>Diodes - Rectifiers - SinglePackageDO-200AA, A-PUKSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)4200VCurrent - Average Rectified (Io)300AVoltage - Forward (Vf) (Max) @ If2.15V @ 1500ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9µsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction65°C ~ 200°C                          | Manufacturer Part Number          | R7004203XXUA                           |
| Diodes - Rectifiers - SinglePackageDO-200AA, A-PUKSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)4200VCurrent - Average Rectified (Io)300AVoltage - Forward (Vf) (Max) @ If2.15V @ 1500ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9µsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C  | Manufacturer                      | Powerex Inc.                           |
| PackageDO-200AA, A-PUKSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)4200VCurrent - Average Rectified (Io)300AVoltage - Forward (Vf) (Max) @ If2.15V @ 1500ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9µsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C  | Category                          | Discrete Semiconductor Products        |
| Series-SeriesStandardDiode TypeStandardVoltage - DC Reverse (Vr) (Max)4200VCurrent - Average Rectified (Io)300AVoltage - Forward (Vf) (Max) @ If2.15V @ 1500ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9 $\mu$ sCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-5°C ~ 200°C   |                                   | Diodes - Rectifiers - Single           |
| Diode TypeStandardDiode Type4200VVoltage - DC Reverse (Vr) (Max)300ACurrent - Average Rectified (Io)300AVoltage - Forward (Vf) (Max) @ If2.15V @ 1500ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9µsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageFO-200AA, R62Operating Temperature - Junction-5°C ~ 20°C   | Package                           | DO-200AA, A-PUK                        |
| Voltage - DC Reverse (Vr) (Max)4200VCurrent - Average Rectified (Io)300AVoltage - Forward (Vf) (Max) @ If2.15V @ 1500ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9µsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C   | Series                            | -                                      |
| Current - Average Rectified (Io)300AVoltage - Forward (Vf) (Max) @ If2.15V @ 1500ASpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9μsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C   | Diode Type                        | Standard                               |
| Voltage - Forward (Vf) (Max) @ If $2.15V @ 1500A$ SpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr) $9\mu$ sCurrent - Reverse Leakage @ Vr $50mA @ 4200V$ Capacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C   | Voltage - DC Reverse (Vr) (Max)   | 4200V                                  |
| SpeedStandard Recovery >500ns, > 200mA (Io)Reverse Recovery Time (trr)9μsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C   | Current - Average Rectified (Io)  | 300A                                   |
| Reverse Recovery Time (trr)9μsCurrent - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C  | Voltage - Forward (Vf) (Max) @ If | 2.15V @ 1500A                          |
| Current - Reverse Leakage @ Vr50mA @ 4200VCapacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C  | Speed                             | Standard Recovery >500ns, > 200mA (Io) |
| Capacitance @ Vr, F-Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C  | Reverse Recovery Time (trr)       | 9µs                                    |
| Mounting TypeChassis, Stud MountPackage / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C  | Current - Reverse Leakage @ Vr    | 50mA @ 4200V                           |
| Package / CaseDO-200AA, A-PUKSupplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C  | Capacitance @ Vr, F               | -                                      |
| Supplier Device PackageDO-200AA, R62Operating Temperature - Junction-65°C ~ 200°C   | Mounting Type                     | Chassis, Stud Mount                    |
| Operating Temperature - Junction $-65^{\circ}\text{C} \sim 200^{\circ}\text{C}$   | Package / Case                    | DO-200AA, A-PUK                        |
|   | Supplier Device Package           | DO-200AA, R62                          |
| Report errors?  | Operating Temperature - Junction  | -65°C ~ 200°C                          |
|   |                                   | Report errors?                         |

#### **R7004203XXUA 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### **R7004203XXUA** Payment Methods





If you have any question about R7004203XXUA, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com