

# CMR3U-10 BK

#### **CMR3U-10 BK Information**

| Constant of        | <br>CMR3U-10 BK<br>Central Semiconductor Corp<br>Discrete Semiconductor Products<br>Diodes - Rectifiers - Single<br>DIODE GEN PURP 1KV 3A SMC<br>DO-214AB, SMC<br>For the pricing/inventory/lead time, please contact<br>us |                 |
|--------------------|---|-----------------|
| For Reference Only | Website: https://www.heisener.com<br>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.



### **CMR3U-10 BK Specifications**

| Package / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   |                                   |   |
|--|-----------------------------------|---|
| CategoryDiscrete Semiconductor ProductsPackageDiodes - Rectifiers - SinglePackageDO-214AB, SMCSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.7V @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5µA @ 1000VCurrent - Reverse Leakage @ Vr5µA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C | Manufacturer Part Number          | CMR3U-10 BK                                 |
| Diodes - Rectifiers - SinglePackageDO-214AB, SMCSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Jo)3AVoltage - Forward (Vf) (Max) @ If1.7V @ 3ASpeedFast Recovery =< 500ns, > 200mA (Jo)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5µA @ 1000VCurrent - Reverse Leakage @ Vr5µA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   | Manufacturer                      | Central Semiconductor Corp                  |
| PackageDO-214AB, SMCSeries-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.7V @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5µA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C  | Category                          | Discrete Semiconductor Products             |
| Series-Diode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.7V @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5µA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDo-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C  |                                   | Diodes - Rectifiers - Single                |
| Diode TypeStandardVoltage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Jo)3AVoltage - Forward (Vf) (Max) @ If1.7V @ 3ASpeedFast Recovery =< 500ns, > 200mA (Jo)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5µA @ 1000VCapacitance @ Vr, FSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   | Package                           | DO-214AB, SMC                               |
| Notage - DC Reverse (Vr) (Max)1000VCurrent - Average Rectified (Io) $3A$ Voltage - Forward (Vf) (Max) @ If $1.7V @ 3A$ SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr $5\mu A @ 1000V$ Capacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction $-65°C ~ 175°C$  | Series                            | -   |
| Current - Average Rectified (Io)3AVoltage - Forward (Vf) (Max) @ If1.7V @ 3ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5µA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   | Diode Type                        | Standard                                    |
| Voltage - Forward (Vf) (Max) @ If $1.7V @ 3A$ SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr) $100ns$ Current - Reverse Leakage @ Vr $5\mu A @ 1000V$ Capacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction $-65^\circ C \sim 175^\circ C$  | Voltage - DC Reverse (Vr) (Max)   | 1000V                                       |
| SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5μA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   | Current - Average Rectified (Io)  | 3A  |
| Reverse Recovery Time (trr)100nsCurrent - Reverse Leakage @ Vr5μA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C  | Voltage - Forward (Vf) (Max) @ If | 1.7V @ 3A                                   |
| Current - Reverse Leakage @ Vr5μA @ 1000VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C  | Speed                             | Fast Recovery = $< 500$ ns, $> 200$ mA (Io) |
| Capacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   | Reverse Recovery Time (trr)       | 100ns                                       |
| Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   | Current - Reverse Leakage @ Vr    | 5µA @ 1000V                                 |
| Package / CaseDO-214AB, SMCSupplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C   | Capacitance @ Vr, F               | -   |
| Supplier Device PackageSMCOperating Temperature - Junction-65°C ~ 175°C  | Mounting Type                     | Surface Mount                               |
| Operating Temperature - Junction $-65^{\circ}C \sim 175^{\circ}C$  | Package / Case                    | DO-214AB, SMC                               |
|  | Supplier Device Package           | SMC   |
| Report errors?   | Operating Temperature - Junction  | -65°C ~ 175°C                               |
|  |                                   | Report errors?                              |

#### **CMR3U-10 BK 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

#### **Service Guarantees**

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

#### **CMR3U-10 BK Payment Methods**



## **CMR3U-10 BK Shipping Methods**



If you have any question about CMR3U-10 BK, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com