

# **MBRF2090 C0G**

#### **MBRF2090 C0G Information**

| <b>(</b> ) H | Heisener.com       | Part Number<br>Manufacturer<br>Category<br>Description<br>Package | MBRF2090 COG<br>TSC America Inc.<br>Discrete Semiconductor Products<br>Diodes - Rectifiers - Single<br>DIODE, SCHOTTKY, STANDARD, 20A,<br>TO-220-2 Full Pack<br>For the pricing/inventory/lead time, please contact |                 |
|--------------|--------------------|---|---|-----------------|
| F            | For Reference Only |   | us<br>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.



### **MBRF2090 C0G Specifications**

| ManufacturerTSC America Inc.CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageTO-220-2 Full PackSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)90VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If950mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 90VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-S5°C ~ 150°C |                                   |                                      |
|--|-----------------------------------|--------------------------------------|
| CategoryDiscrete Semiconductor ProductsPackageDiodes - Rectifiers - SinglePackageTO-220-2 Full PackSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)90VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If950mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 90VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageTO-220ACOperating Temperature - Junction-55°C ~ 150°C                       | Manufacturer Part Number          | MBRF2090 C0G                         |
| Diodes - Rectifiers - SinglePackageTO-220-2 Full PackSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)90VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If950mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100 $\mu$ A @ 90VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C  | Manufacturer                      | TSC America Inc.                     |
| Package TO-220-2 Full Pack   Series -   Diode Type Schottky   Voltage - DC Reverse (Vr) (Max) 90V   Current - Average Rectified (Io) 20A   Voltage - Forward (Vf) (Max) @ If 950mV @ 20A   Speed Fast Recovery =< 500ns, > 200mA (Io)   Reverse Recovery Time (trr) -   Current - Reverse Leakage @ Vr 100μA @ 90V   Capacitance @ Vr, F -   Mounting Type Through Hole   Package / Case TO-220-2 Full Pack   Supplier Device Package TGO-220-2 Full Pack   Operating Temperature - Junction -S5°C ~ 150°C                                 | Category                          | Discrete Semiconductor Products      |
| Series -   Series -   Diode Type Schottky   Voltage - DC Reverse (Vr) (Max) 90V   Current - Average Rectified (Io) 20A   Voltage - Forward (Vf) (Max) @ If 950mV @ 20A   Speed Fast Recovery =< 500ns, > 200mA (Io)   Reverse Recovery Time (trr) -   Current - Reverse Leakage @ Vr 100μA @ 90V   Capacitance @ Vr, F -   Mounting Type Through Hole   Package / Case TO-220-2 Full Pack   Supplier Device Package TTO-220AC   Operating Temperature - Junction -55°C ~ 150°C   |                                   | Diodes - Rectifiers - Single         |
| Diode TypeSchottkyDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)90VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If950mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 90VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageTTO-220ACOperating Temperature - Junction-55°C ~ 150°C  | Package                           | TO-220-2 Full Pack                   |
| Voltage - DC Reverse (Vr) (Max)90VCurrent - Average Rectified (Io)20AVoltage - Forward (Vf) (Max) @ If950mV @ 20ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100µA @ 90VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C  | Series                            | -                                    |
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| SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 90VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C   | Current - Average Rectified (Io)  | 20A                                  |
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| Capacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C   | Reverse Recovery Time (trr)       | -                                    |
| Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C   | Current - Reverse Leakage @ Vr    | 100µA @ 90V                          |
| Package / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C  | Capacitance @ Vr, F               | -                                    |
| Supplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C  | Mounting Type                     | Through Hole                         |
| Operating Temperature - Junction -55°C ~ 150°C   | Package / Case                    | TO-220-2 Full Pack                   |
|  | Supplier Device Package           | ITO-220AC                            |
| Report errors?   | Operating Temperature - Junction  | -55°C ~ 150°C                        |
|  |                                   | Report errors?                       |

#### **MBRF2090 C0G 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 EUARANTEE

#### **Service Guarantees**

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

#### MBRF2090 C0G Payment Methods



## MBRF2090 C0G Shipping Methods



If you have any question about MBRF2090 C0G, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com