

# MBRF10100HC0G

## **MBRF10100HC0G Information**

Heisener.com

Part Number MBRF10100HC0G
Manufacturer TSC America Inc.

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

**Description** DIODE, SCHOTTKY, STANDARD, 10A,

Package TO-220-2 Full Pack

For the pricing/inventory/lead time, please contact

us

For Reference Only

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









### **MBRF10100HC0G Specifications**

Manufacturer Part NumberMBRF10100HC0GManufacturerTSC America Inc.CategoryDiscrete Semiconductor ProductsBackageTO-220-2 Full PackSeriesAutomotive, AEC-Q101Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)10AVoltage - Forward (Vf) (Max) @ If850mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°CReport errors?	Tiblic 1010011000 Specifications	
Category  Discrete Semiconductor Products  Diodes - Rectifiers - Single  TO-220-2 Full Pack  Series  Automotive, AEC-Q101  Diode Type  Schottky  Voltage - DC Reverse (Vr) (Max)  100V  Current - Average Rectified (Io)  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  100µA @ 100V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  TO-220-2 Full Pack  Supplier Device Package  Operating Temperature - Junction  Discrete Semiconductor Products  Diodes - Rectifiers - Single  TO-220-2 Full Pack  To-220AC  Operating Temperature - Junction	Manufacturer Part Number	MBRF10100HC0G
PackageDiodes - Rectifiers - SingleSeriesAutomotive, AEC-Q101Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)10AVoltage - Forward (Vf) (Max) @ If850mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Manufacturer	TSC America Inc.
PackageTO-220-2 Full PackSeriesAutomotive, AEC-Q101Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)10AVoltage - Forward (Vf) (Max) @ If850mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Category	Discrete Semiconductor Products
SeriesAutomotive, AEC-Q101Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)10AVoltage - Forward (Vf) (Max) @ If850mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C		Diodes - Rectifiers - Single
Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io)10AVoltage - Forward (Vf) (Max) @ If850mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Package	TO-220-2 Full Pack
Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  Voltage - Forward (Vf) (Max) @ If  850mV @ 10A  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  100μA @ 100V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  TO-220-2 Full Pack  Supplier Device Package  Operating Temperature - Junction  100V  100A  850mV @ 10A  100A  100A  100B  100C  100C	Series	Automotive, AEC-Q101
Current - Average Rectified (Io)  Voltage - Forward (Vf) (Max) @ If  850mV @ 10A  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  100µA @ 100V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  TO-220-2 Full Pack  Supplier Device Package  Operating Temperature - Junction  10A  850mV @ 10A  850mV @ 10A  Fast Recovery =< 500ns, > 200mA (Io)  - Through Hole  100µA @ 100V  - Through Hole  TO-220-2 Full Pack  Supplier Device Package  Operating Temperature - Junction	Diode Type	Schottky
Voltage - Forward (Vf) (Max) @ If  Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 100µA @ 100V  Capacitance @ Vr, F - Mounting Type Through Hole Package / Case TO-220-2 Full Pack  Supplier Device Package ITO-220AC Operating Temperature - Junction -55°C ~ 150°C	Voltage - DC Reverse (Vr) (Max)	100V
SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Current - Average Rectified (Io)	10A
Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Voltage - Forward (Vf) (Max) @ If	850mV @ 10A
Current - Reverse Leakage @ Vr100μA @ 100VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseTO-220-2 Full PackSupplier Device PackageITO-220ACOperating Temperature - Junction-55°C ~ 150°C	Speed	Fast Recovery =< 500ns, > 200mA (Io)
Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  TO-220-2 Full Pack  Supplier Device Package  ITO-220AC  Operating Temperature - Junction  -55°C ~ 150°C	Reverse Recovery Time (trr)	-
Mounting Type  Package / Case  TO-220-2 Full Pack  Supplier Device Package  ITO-220AC  Operating Temperature - Junction  Through Hole  TO-220-2 Full Pack  ITO-220AC	Current - Reverse Leakage @ Vr	100μA @ 100V
Package / Case TO-220-2 Full Pack Supplier Device Package ITO-220AC Operating Temperature - Junction -55°C ~ 150°C	Capacitance @ Vr, F	-
Supplier Device Package ITO-220AC  Operating 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?

### **MBRF10100HC0G 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.

## MBRF10100HC0G Payment Methods



















# MBRF10100HC0G Shipping Methods













If you have any question about MBRF10100HC0G, please do not hesitate to contact us!

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