

# **MBRB20100CT-M3/4W**

### MBRB20100CT-M3/4W Information



For Reference Only

Part Number MBRB20100CT-M3/4W

Manufacturer Vishay Semiconductor Diodes Division

Category Discrete Semiconductor Products

Diodes - Rectifiers - Arrays

**Description** DIODE ARRAY SCHOTTKY 100V TO263

**Package** TO-263-3, D2Pak (2 Leads + Tab), TO-263AB For the pricing/inventory/lead time, please contact

us

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



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# **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.









# MBRB20100CT-M3/4W Specifications

| Manufacturer Part NumberMBRB20100CT-M3/4WManufacturerVishay Semiconductor Diodes DivisionCategoryDiscrete Semiconductor ProductsPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If800mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VOperating Temperature - Junction-65°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB   |  |   |
|---|--|---|
| $\begin{array}{c} \text{Category} & \text{Discrete Semiconductor Products} \\ \hline \text{Diodes - Rectifiers - Arrays} \\ \hline \text{Package} & \text{TO-263-3, D2Pak (2 Leads + Tab), TO-263AB} \\ \hline \text{Series} & \text{-} \\ \hline \text{Diode Configuration} & 1 \text{ Pair Common Cathode} \\ \hline \text{Diode Type} & \text{Schottky} \\ \hline \text{Voltage - DC Reverse (Vr) (Max)} & 100V \\ \hline \text{Current - Average Rectified (Io) (per Diode)} & 10A \\ \hline \text{Voltage - Forward (Vf) (Max) @ If} & 800\text{mV @ 10A} \\ \hline \text{Speed} & \text{Fast Recovery = < 500ns, > 200\text{mA (Io)}} \\ \hline \text{Reverse Recovery Time (trr)} & \text{-} \\ \hline \text{Current - Reverse Leakage @ Vr} & 100\mu\text{A @ 100V} \\ \hline \text{Operating Temperature - Junction} & \text{-65°C} \sim 150°C} \\ \hline \text{Mounting Type} & \text{Surface Mount} \\ \hline \text{Package / Case} & \text{TO-263-3, D2Pak (2 Leads + Tab), TO-263AB} \\ \hline \text{Supplier Device Package} & \text{TO-263AB} \\ \hline \end{array}$ | Manufacturer Part Number                     | MBRB20100CT-M3/4W                         |
| Diodes - Rectifiers - ArraysPackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If800mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VOperating Temperature - Junction-65°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB   | Manufacturer                                 | Vishay Semiconductor Diodes Division      |
| PackageTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSeries-Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If800mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VOperating Temperature - Junction-65°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB   | Category                                     | Discrete Semiconductor Products           |
| Series - Diode Configuration 1 Pair Common Cathode  Diode Type Schottky  Voltage - DC Reverse (Vr) (Max) 100V  Current - Average Rectified (Io) (per Diode) 10A  Voltage - Forward (Vf) (Max) @ If 800mV @ 10A  Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 100μA @ 100V  Operating Temperature - Junction -65°C ~ 150°C  Mounting Type Surface Mount  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Supplier Device Package TO-263AB  |  | Diodes - Rectifiers - Arrays              |
| Diode Configuration1 Pair Common CathodeDiode TypeSchottkyVoltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If800mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VOperating Temperature - Junction-65°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB  | Package                                      | TO-263-3, D2Pak (2 Leads + Tab), TO-263AB |
| Diode Type  Schottky  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  100µA @ 100V  Operating Temperature - Junction  -65°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Supplier Device Package   | Series                                       | -   |
| Voltage - DC Reverse (Vr) (Max)100VCurrent - Average Rectified (Io) (per Diode)10AVoltage - Forward (Vf) (Max) @ If800mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VOperating Temperature - Junction-65°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB  | Diode Configuration                          | 1 Pair Common Cathode                     |
| Current - Average Rectified (Io) (per Diode)  Voltage - Forward (Vf) (Max) @ If  800mV @ 10A  Speed  Fast Recovery = < 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  100μA @ 100V  Operating Temperature - Junction  -65°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Supplier Device Package  | Diode Type                                   | Schottky                                  |
| Voltage - Forward (Vf) (Max) @ If800mV @ 10ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VOperating Temperature - Junction-65°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB  | Voltage - DC Reverse (Vr) (Max)              | 100V                                      |
| $\begin{tabular}{lllllllllllllllllllllllllllllllllll$   | Current - Average Rectified (Io) (per Diode) | 10A                                       |
| Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr100μA @ 100VOperating Temperature - Junction-65°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263ABSupplier Device PackageTO-263AB   | Voltage - Forward (Vf) (Max) @ If            | 800mV @ 10A                               |
| Current - Reverse Leakage @ Vr $100\mu A @ 100V$ Operating Temperature - Junction $-65^{\circ}C \sim 150^{\circ}C$ Mounting Type $Surface \ Mount$ Package / Case $TO-263-3, \ D2Pak \ (2 \ Leads + Tab), \ TO-263AB$ Supplier Device Package $TO-263AB$  | Speed  | Fast Recovery =< 500ns, > 200mA (Io)      |
| Operating Temperature - Junction  -65°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Supplier Device Package  TO-263AB   | Reverse Recovery Time (trr)                  | -   |
| Mounting Type Surface Mount  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB  Supplier Device Package TO-263AB   | Current - Reverse Leakage @ Vr               | 100μA @ 100V                              |
| Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Supplier Device Package TO-263AB   | Operating Temperature - Junction             | -65°C ~ 150°C                             |
| Supplier Device Package TO-263AB  | Mounting Type                                | Surface Mount                             |
|   | Package / Case                               | TO-263-3, D2Pak (2 Leads + Tab), TO-263AB |
| Report errors?  | Supplier Device Package                      | TO-263AB                                  |
|   |  | Report errors?                            |

### MBRB20100CT-M3/4W 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.

## MBRB20100CT-M3/4W Payment Methods



















### MBRB20100CT-M3/4W Shipping Methods













If you have any question about MBRB20100CT-M3/4W, please do not hesitate to contact us!

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