

**RB501V -40** Schottky Diodes**FEATURES**

- Low current rectifier Schottky diode
- Low voltage, low inductance
- For power supply

**Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25°C**

| Parameter S | ymbol | Limits | Unit |
|----------------------------|------------------|----------|------|
| Peak reverse voltage | V _{RM} | 45 | V |
| DC reverse voltage | V _R | 40 | V |
| Mean rectifying current | I _O | 0.1 | A |
| Peak forward surge current | I _{FSM} | 1 | A |
| Junction temperature | T _j | 125 | °C |
| Storage temperature | T _{stg} | -55~+125 | °C |

Electrical Ratings @T_A=25°C

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|----------------|------|------|--------------|------|---|
| Forward voltage | V _F | | | 0.55 0.34 | V | I _F =100mA I _F =10mA |
| Reverse current | I _R | | | 30 | μA | V _R =10V |
| Capacitance between terminals | C _T | | 6 | | pF | V _R =10V, f=1MHZ |

