

**Schottky Barrier Diode****RB411****500 mA**

SOT-23

1. Anode
2. NC
3. Cathode

- GENERAL PURPOSE DETECTION
- HIGH SPEED SWITCHING
- LOW REVERSE CURRENT AND FORWARD VOLTAGE

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (  $T_a=25^\circ\text{C}$  )

| PARAMETERS                   | SYMBOL    | MIN | TYP  | MAX  | UNIT          | CONDITION                      |
|------------------------------|-----------|-----|------|------|---------------|--------------------------------|
| Reverse Voltage              | $V_R$     | 20  |      |      | V             | $I_R=1\text{mA}$               |
| Rectifying Current           | $I_O$     |     |      | 500  | mA            |                                |
| Peak Surge Current           | $I_{FSM}$ |     |      | 3    | A             | 60Hz                           |
| Forward Voltage              | $V_F$     |     | 0.43 | 0.5  | V             | $I_F=500\text{mA}$             |
| Reverse Current              | $I_R$     |     |      | 30   | $\mu\text{A}$ | $V_R=10\text{V}$               |
| Capacitance Between Terminal | $C_T$     |     | 2.0  |      | pF            | $V_R=1\text{V}, f=1\text{MHz}$ |
| Power Dissipation            | $P_c$     |     |      | 0.25 | W             |                                |
| Junction Temperature         | $T_j$     |     |      | 125  |               |                                |
| Storage Temperature          | $T_{stg}$ | -40 |      | 125  |               |                                |

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