



# WSR3002BF

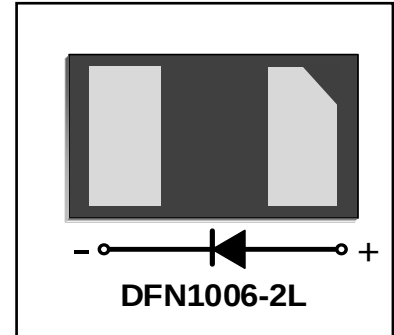
## Schottky Barrier Diode

### Features

- Low Forward Voltage
- Low Current Rectification
- Small Outline Surface Mount Package
- Matte Tin Lead Finish(Pb-Free)
- RoHS Compliant / Green EMC

### Applications

- High Speed Switch for Detection
- Inverse Polarity Protection
- Low Power Consumption Applications



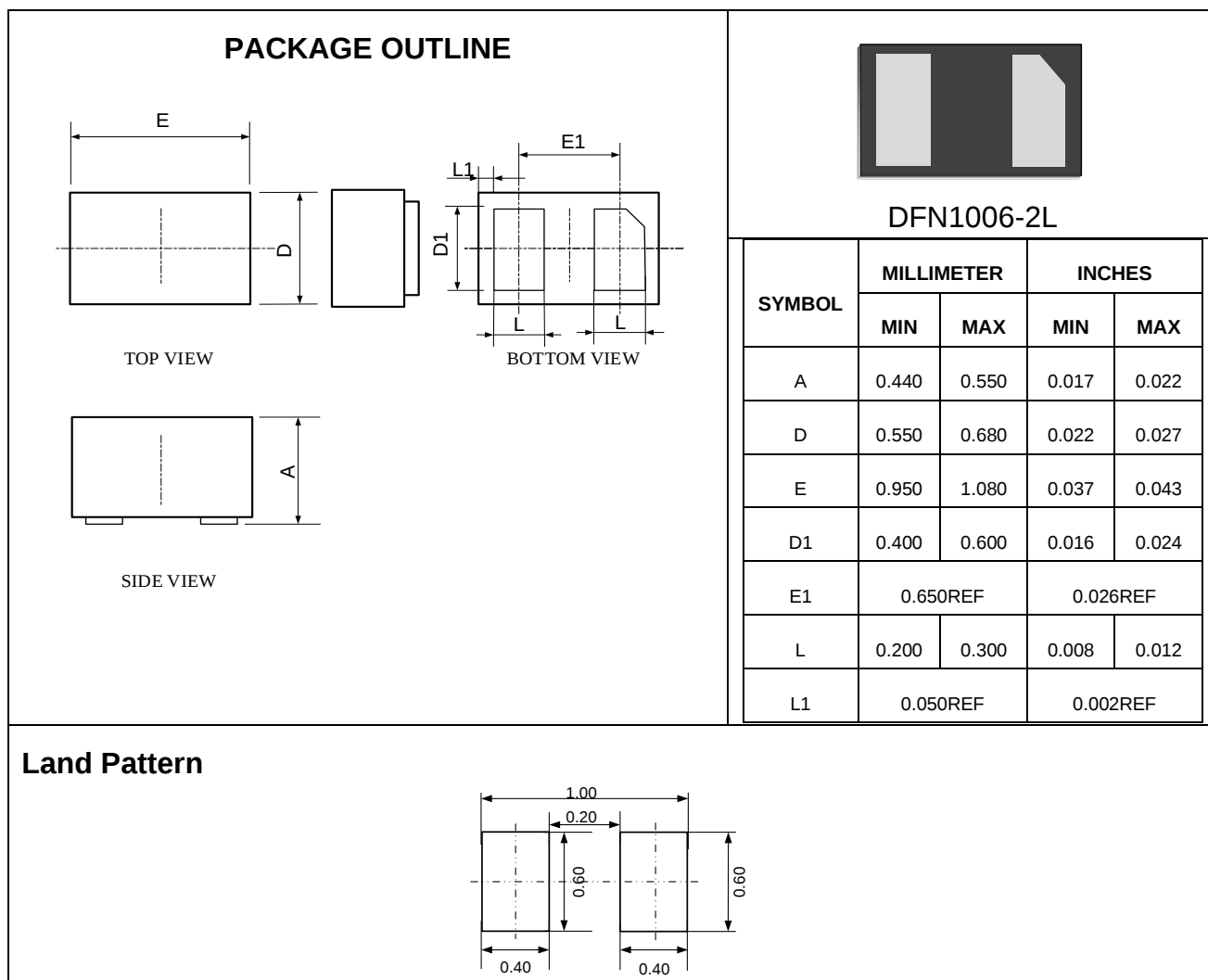
### Absolute Maximum Rating

| Parameter                                 | Symbol    | Value      | Unit |
|-------------------------------------------|-----------|------------|------|
| Peak Repetitive Peak Reverse Voltage      | $V_R$     | 30         | V    |
| Power Dissipation                         | $P_D$     | 100        | mW   |
| Forward Continuous Current                | $I_F$     | 200        | mA   |
| Non-Repetitive Peak Forward Surge Current | $I_{FSM}$ | 500        | mA   |
| Junction Temperature                      | $T_J$     | 125        | °C   |
| Storage Temperature                       | $T_{stg}$ | -55 to 125 | °C   |

### Electrical Characteristics ( $T_{amb}=25^{\circ}\text{C}$ unless otherwise noted)

| Parameter                       | Symbol   | Test Conditions      | Min. | Typ. | Max. | Unit          |
|---------------------------------|----------|----------------------|------|------|------|---------------|
| Reverse Breakdown Voltage       | $V_{BR}$ | $I_R = 1\text{mA}$   | 30   | -    | -    | V             |
| Reverse Voltage Leakage Current | $I_R$    | $V_R = 10\text{V}$   | -    | -    | 1    | $\mu\text{A}$ |
| Forward Voltage                 | $V_F$    | $I_F = 10\text{mA}$  | -    | -    | 0.45 | V             |
|                                 |          | $I_F = 200\text{mA}$ | -    | -    | 0.60 |               |

## Outline Drawing –DFN1006-2L



## Marking Codes

|              |           |
|--------------|-----------|
| Part Number  | WSR3002BF |
| Marking Code |           |

## Package Information

Qty: 10k/Reel

## CONTACT INFORMATION

No.1001, Shiwan (7) Road, Pudong District, Shanghai, P.R.China.201207

Tel: 86-21-68969993 Fax: 86-21-50757680 Email: [market@way-on.com](mailto:market@way-on.com)WAYON website: <http://www.way-on.com>

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Specifications are subject to change without notice.  
 The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.  
 Users should verify actual device performance in their specific applications.