



Micro Commercial Components

Micro Commercial Components  
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## RB521S-30

### Features

- Case Material: Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1
- High Reliability
- Low Reverse Current and Low Forward Voltage.
- Small Surface Mount Type
- Marking :C
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)

### Maximum Ratings

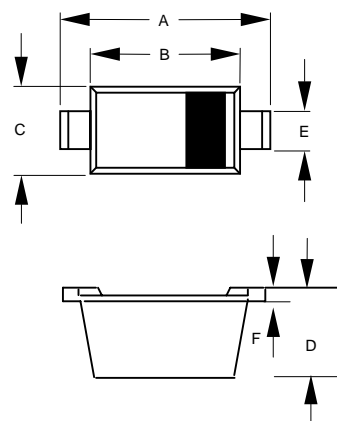
| Symbol    | Rating                      | Rating      | Unit |
|-----------|-----------------------------|-------------|------|
| $V_R$     | DC Reverse Voltage          | 30          | V    |
| $I_O$     | Mean Rectifying Current     | 200         | mA   |
| $I_{FSM}$ | Peak Forward Surge Current* | 1           | A    |
| $T_J$     | Junction Temperature        | 125         | °C   |
| $T_{STG}$ | Storage Temperature         | -40 to +125 | °C   |

### Electrical Characteristics @ 25°C Unless Otherwise Specified

| Symbol | Parameter                                 | Min | Typ | Max | Units |
|--------|---|-----|-----|-----|-------|
| $V_F$  | Forward Voltage<br>( $I_F=200\text{mA}$ ) | --- | --- | 0.5 | Vdc   |
| $I_R$  | Reverse Current<br>( $V_R=10\text{Vdc}$ ) | --- | --- | 30  | uAdc  |

## 200 mA Schottky Barrier Diode 30 Volts

### SOD-523



#### DIMENSIONS

| DIM | INCHES | MM   | NOTE |
|-----|--------|------|------|
|     | Type   | Type |      |
| A   | .063   | 1.60 |      |
| B   | .472   | 1.20 |      |
| C   | .032   | 0.80 |      |
| D   | .026   | 0.65 |      |
| E   | .012   | 0.30 |      |
| F   | .004   | 0.10 |      |

## Ordering Information

| Device           | Packing              |
|------------------|----------------------|
| (Part Number)-TP | Tape&Reel;3Kpcs/Reel |

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