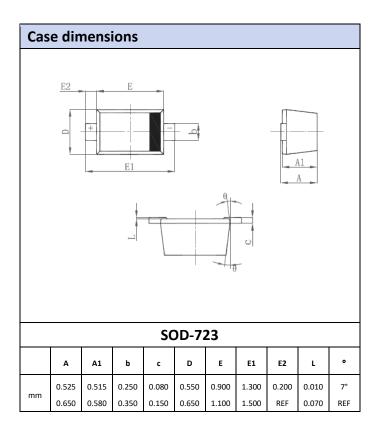


Schottky Barrier Diode

| Primary characteristics | | | | |
|--------------------------------|-------|------|--|--|
| Parameter | Value | Unit | | |
| Reverse voltage V _R | 30 | V | | |
| Rectifying current Io | 200 | mA | | |

Features

- **SOD-723** case for easy automatic insertion.
- Pb-free and RoHS compliant
- Super Low V_F
- High reliability
- Small current rectification

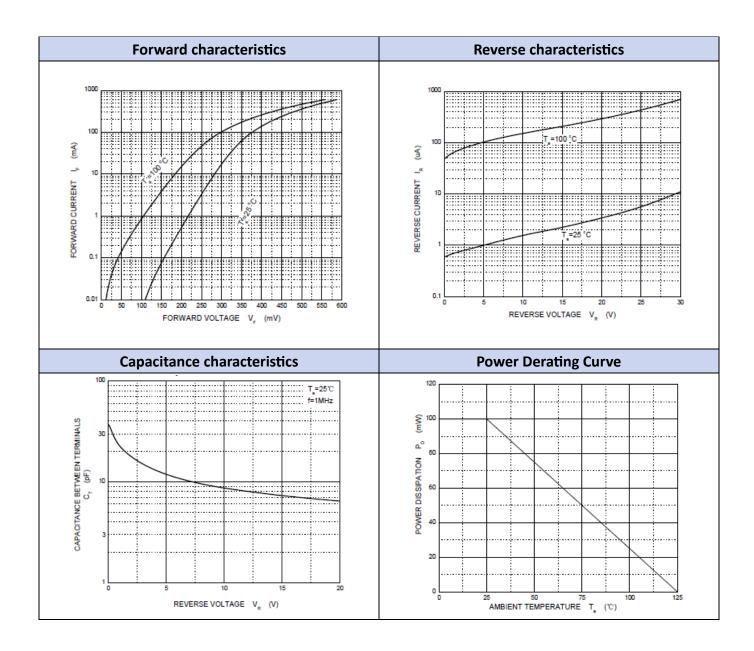


| Absolute maximum ratings (T _a =25°C) | | | | |
|---|------------------|-----------|------|--|
| Parameter | Symbol | Value | Unit | |
| Peak reverse voltage | V _R | 30 | V | |
| Rectifying current | lo | 200 | mA | |
| Power dissipation | P _D | 100 | mW | |
| Peak forward surge current @t=8.3ms | I _{FSM} | 1 | Α | |
| Thermal resistance junction to ambient | R _{OJA} | 1000 | °C/W | |
| Operation junction temperature range | Tj | -40 ~ 125 | °C | |
| Storage temperature range | T _{stg} | -55 ~ 150 | °C | |

| Electrical ratings (T _j =25°C) | | | | | | |
|---|-----------------|-----------------------|-------|------|---------|------|
| Parameter | Symbol | Test conditions | Value | | l locia | |
| | | | Min. | Тур. | Max. | Unit |
| Forward voltage | V _{F1} | I _F =10mA | - | - | 0.35 | ٧ |
| | V _{F2} | I _F =200mA | - | - | 0.50 | V |
| Reverse current | IR | V _R =10V | - | - | 10 | μΑ |

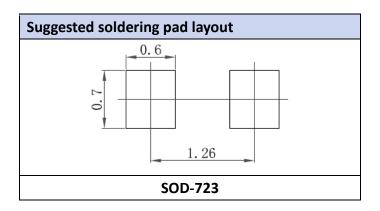
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| Ordering information | | | |
|----------------------|---------|-------------------|------------|
| Part Number | Package | Shipping Quantity | Dimensions |
| RB521G-30 | SOD-723 | 8000 pcs / reel | |



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