



## 100mA Surface Mount Schottky Barrier Rectifiers-30V SOD-723 Package

### SCS521G

#### ●Application

Rectifying small power

#### ●Features

- 1) Ultra small mold type.
- 2) Low  $V_F$
- 3) High reliability

#### ●Construction

Silicon epitaxial planar

- We declare that the material of product compliance with RoHS requirements.

**Pb-Free package is available**

RoHS product for packing code suffix "G"

Halogen free product for packing code suffix "H"

**Moisture Sensitivity Level 1**

**Polarity:** Color band denotes cathode end

#### ●Absolute maximum ratings (Ta=25°C)

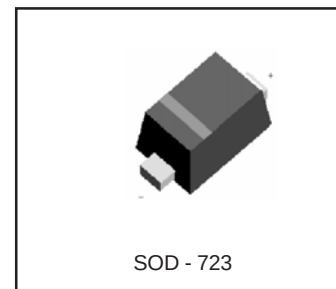
| Parameter                              | Symbol    | Limits      | Unit |
|----------------------------------------|-----------|-------------|------|
| Reverse voltage (DC)                   | $V_R$     | 30          | V    |
| Average rectified forward current      | $I_o$     | 100         | mA   |
| Forward current surge peak (60Hz·1cyc) | $I_{FSM}$ | 500         | mA   |
| Junction temperature                   | $T_j$     | 125         | °C   |
| Operating/Storage temperature          | $T_{stg}$ | -40 to +125 | °C   |

#### ●Electrical characteristics (Ta=25°C)

| Parameter       | Symbol | Min. | Typ. | Max. | Unit    | Conditions |
|-----------------|--------|------|------|------|---------|------------|
| Forward voltage | $V_F$  | -    | -    | 0.35 | V       | $I_F=10mA$ |
| Reverse current | $I_R$  | -    | -    | 10   | $\mu A$ | $V_R=10V$  |

#### ●Device Marking

| Device  | Marking |
|---------|---------|
| SCS521G | F       |

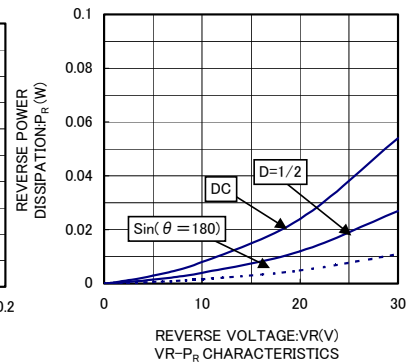
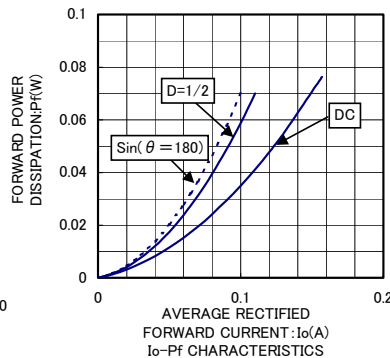
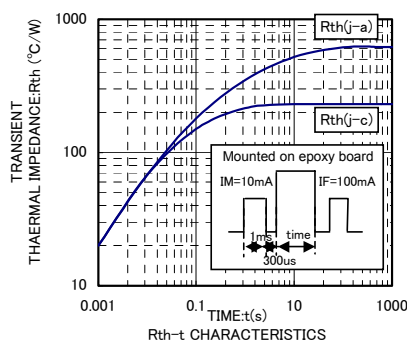
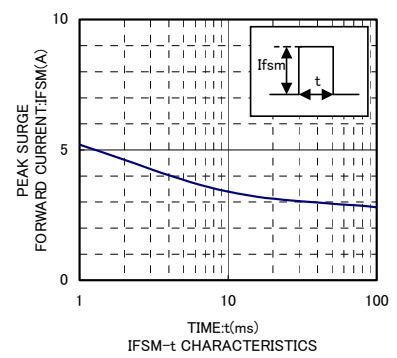
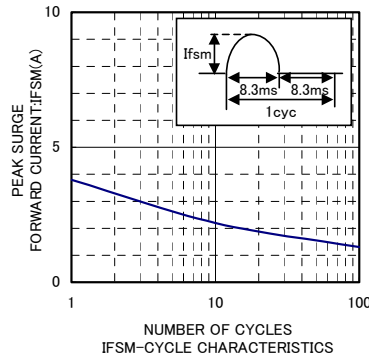
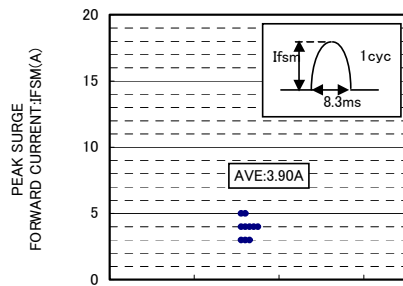
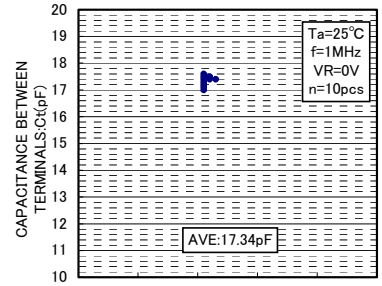
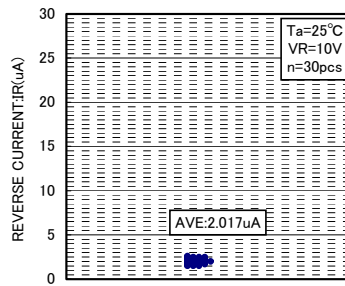
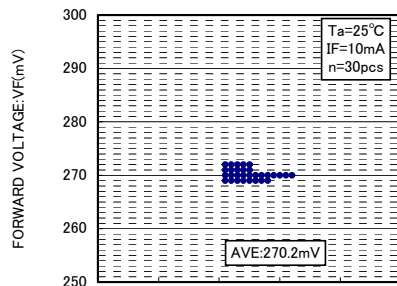
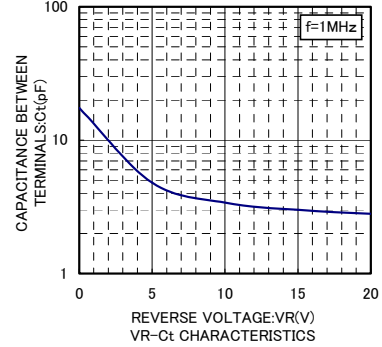
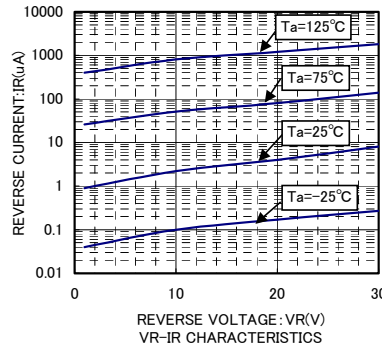
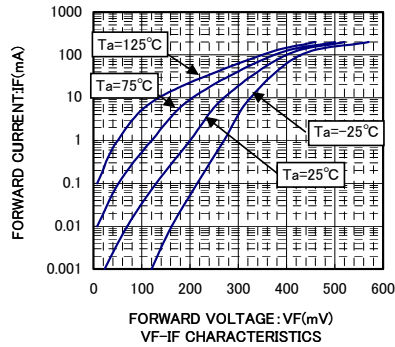




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### Electrical characteristic curves (Ta=25°C)



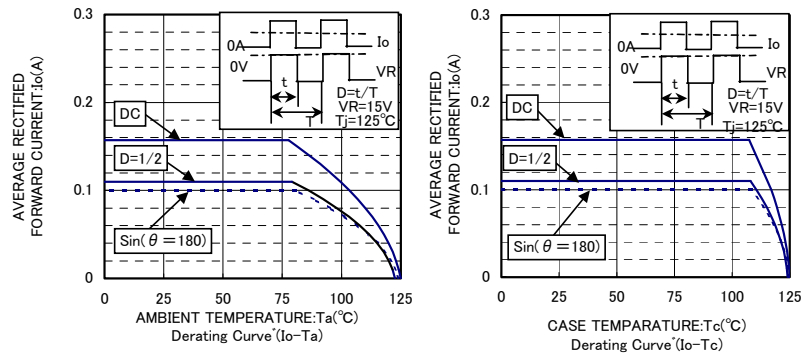


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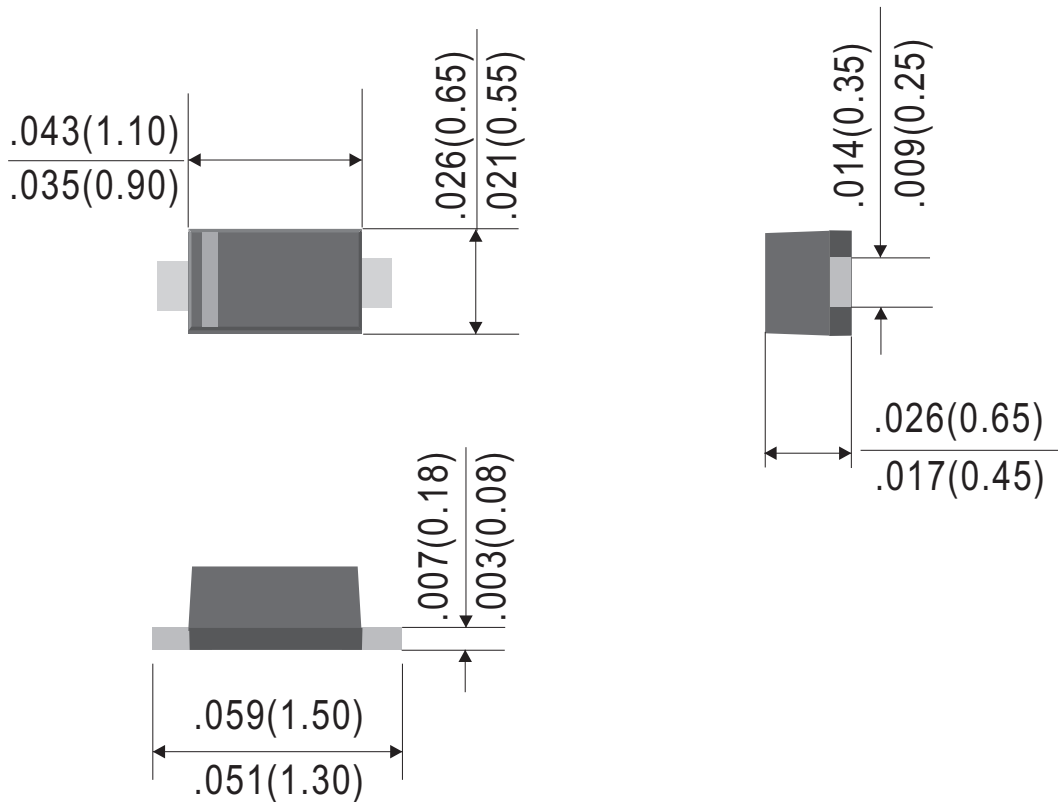


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### SCS521G



### SOD-723





# WILLAS



**100mA Surface Mount Schottky Barrier Rectifiers-30V  
SOD-723 Package**

**SCS521G**

## Ordering Information:

| Device PN                                      | Packing                |
|------------------------------------------------|------------------------|
| SCS521G -T <sup>(1)</sup> G <sup>(2)</sup> -WS | Tape&Reel: 4 Kpcs/Reel |

Note: (1) Packing code, Tape & Reel Packing

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

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