

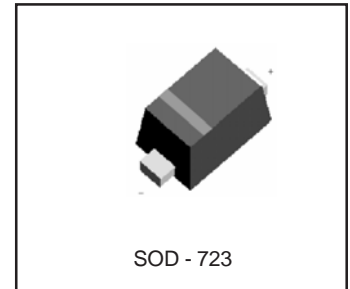


### ●Application

Rectifying small power

### ●Features

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



### ●Construction

Silicon epitaxial planer

- 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)

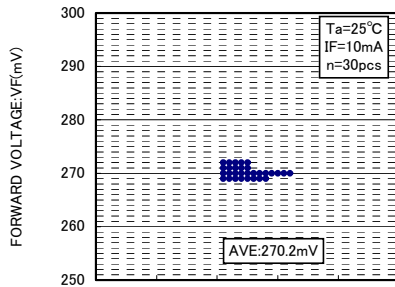
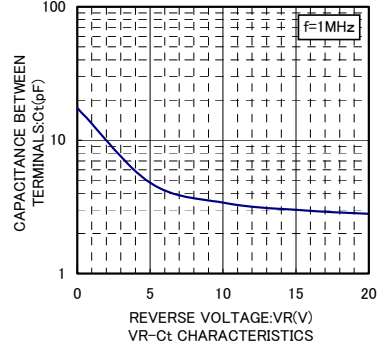
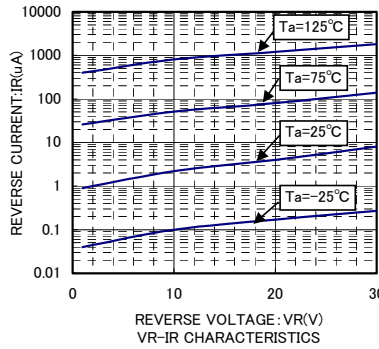
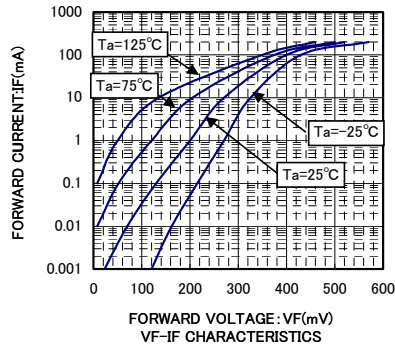
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.35	V	$I_F=10mA$
Reverse current	$I_R$	-	-	10	$\mu A$	$V_R=10V$

### ●Device Marking

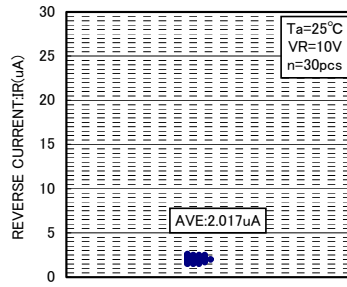
Device	Marking
SCS521G	F



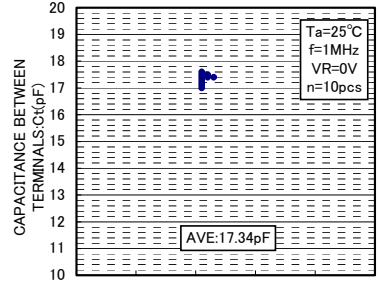
### Electrical characteristic curves (Ta=25°C)



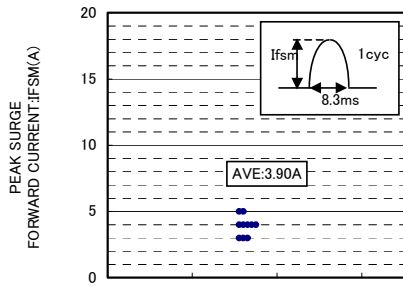
VF DISPERSION MAP



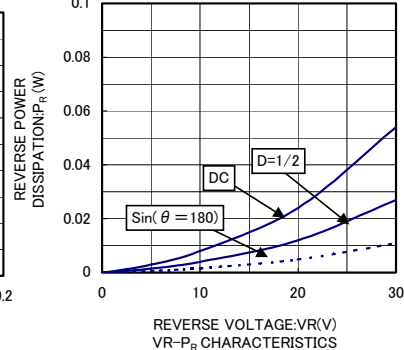
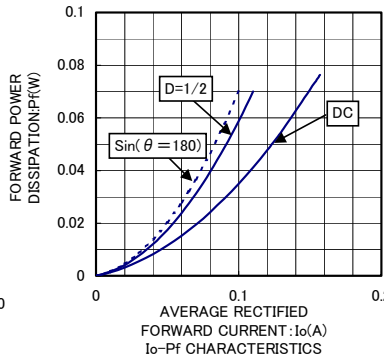
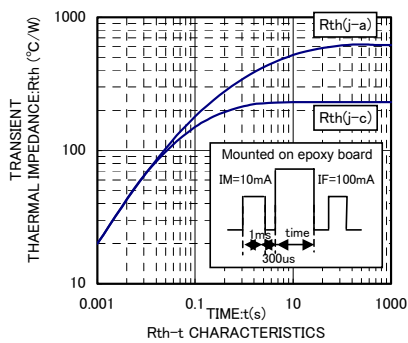
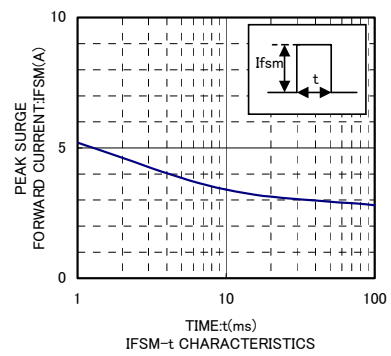
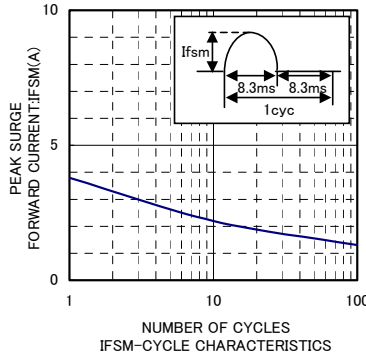
IR DISPERSION MAP



Ct DISPERSION MAP



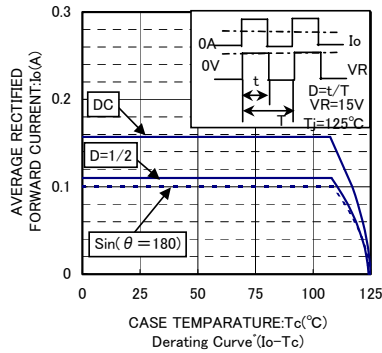
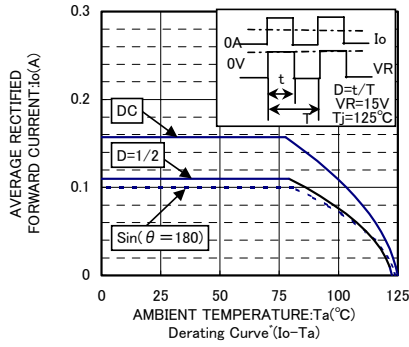
IFSM DISRESSION MAP



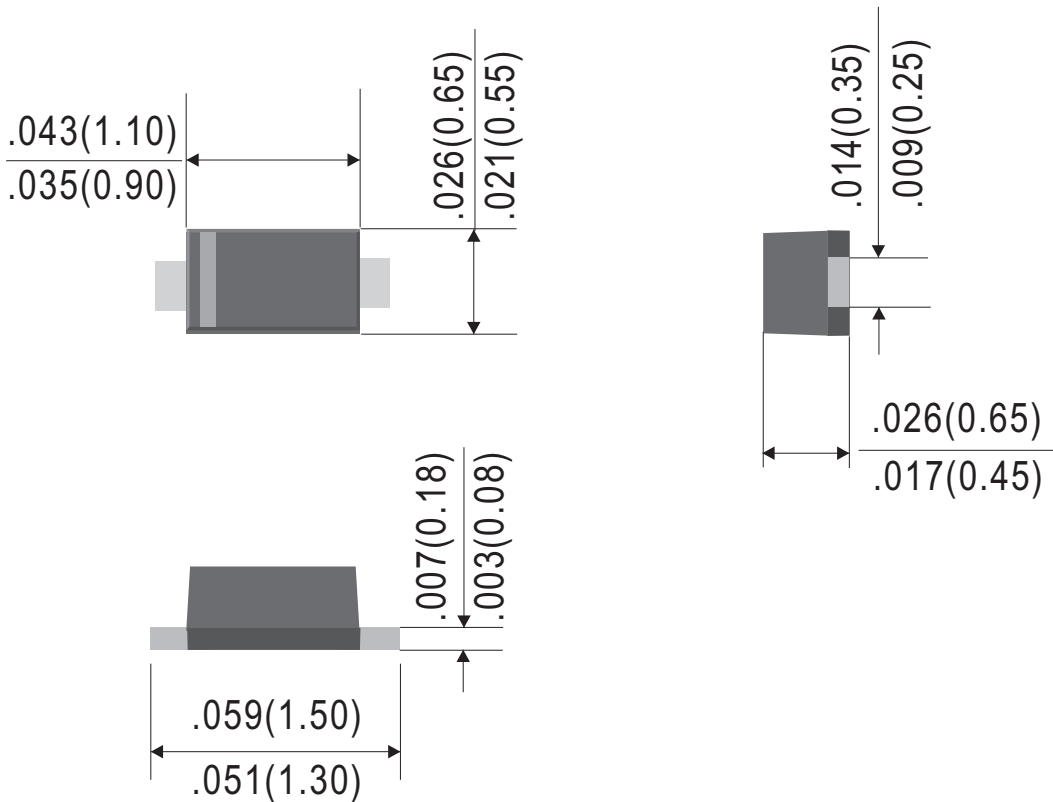


## 100mA Surface Mount Schottky Barrier Rectifiers-30V SOD-723 Package

### 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"

### \*\*\*Disclaimer\*\*\*

WILLAS reserves the right to make changes without notice to any product specification herein, to make corrections, modifications, enhancements or other changes. WILLAS or anyone on its behalf assumes no responsibility or liability for any errors or inaccuracies. Data sheet specifications and its information contained are intended to provide a product description only. "Typical" parameters which may be included on WILLAS data sheets and/ or specifications can and do vary in different applications and actual performance may vary over time. WILLAS does not assume any liability arising out of the application or use of any product or circuit.

WILLAS products are not designed, intended or authorized for use in medical, life-saving implant or other applications intended for life-sustaining or other related applications where a failure or malfunction of component or circuitry may directly or indirectly cause injury or threaten a life without expressed written approval of WILLAS. Customers using or selling WILLAS components for use in such applications do so at their own risk and shall agree to fully indemnify WILLAS Inc and its subsidiaries harmless against all claims, damages and expenditures.