



### ●Applications

Low current rectification

### ●Features

- 1) Ultra Small mold type.
- 2) Low  $I_R$ .
- 3) High reliability.

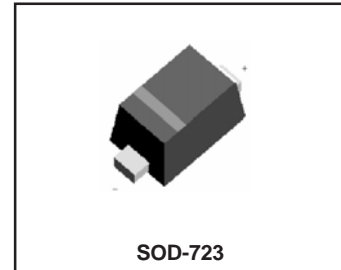
RoHS product for packing code suffix "G"  
Halogen free product for packing code suffix "H"

Moisture Sensitivity Level 1

Polarity: Color band denotes cathode end

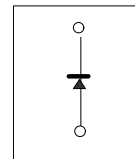
### ●Construction

Silicon epitaxial planar



### ●Device Marking

Device	Marking
SCS520G	E



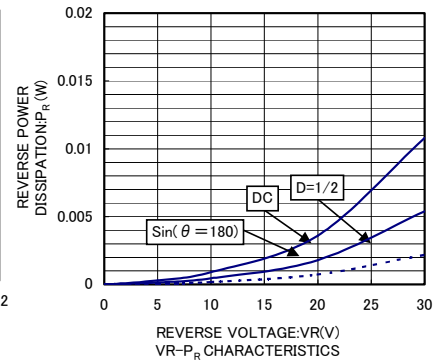
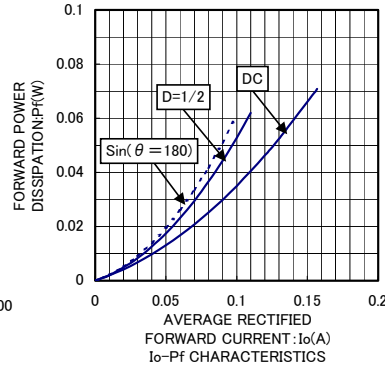
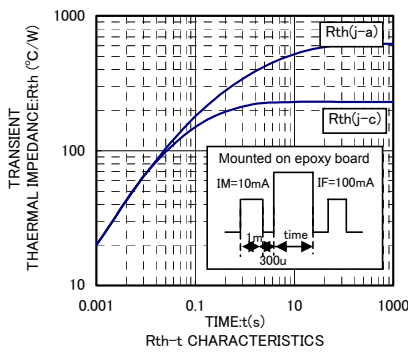
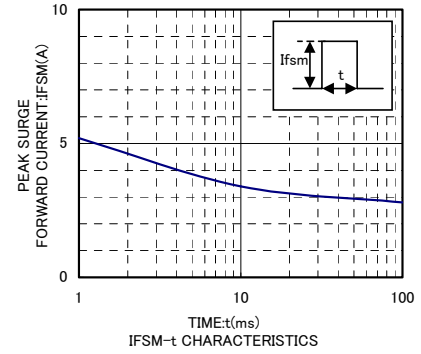
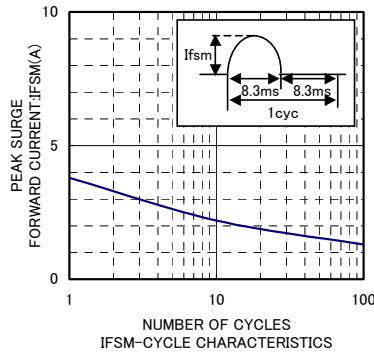
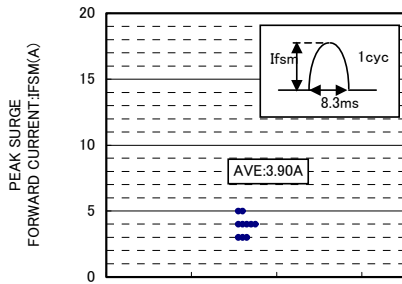
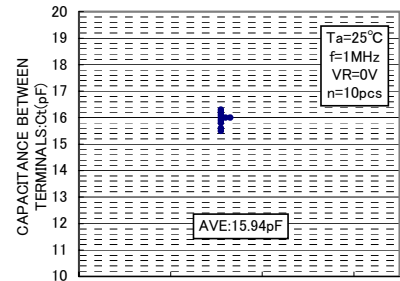
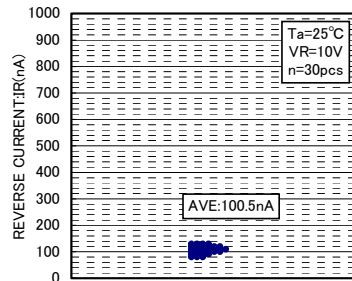
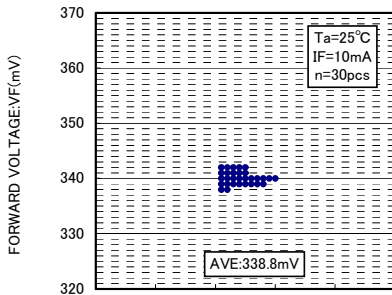
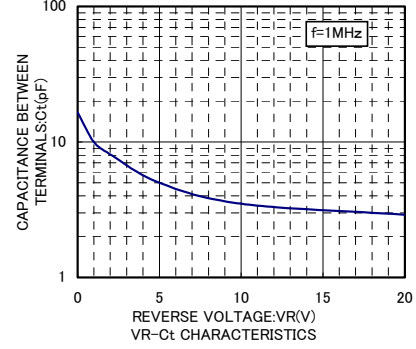
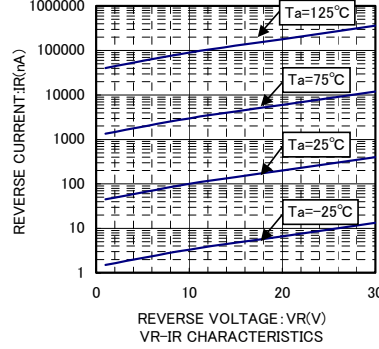
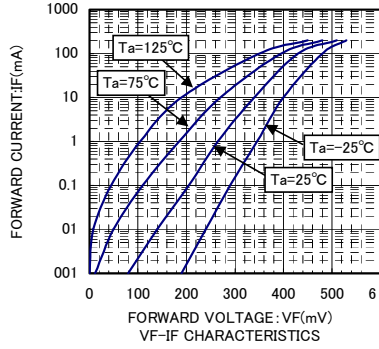
Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	$V_R$	30	V
Average rectified forward current	$I_o$	100	mA
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	125	°C
Operating/Storage temperature	$T_{stg}$	-40 to +125	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.45	V	$I_F=10mA$
Reverse current	$I_R$	-	-	0.5	μA	$V_R=10V$

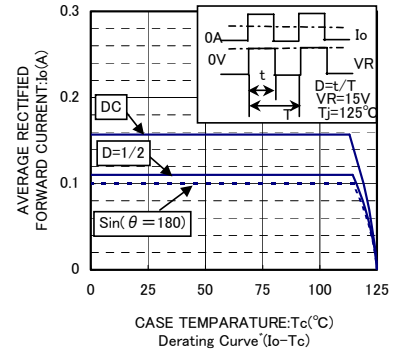
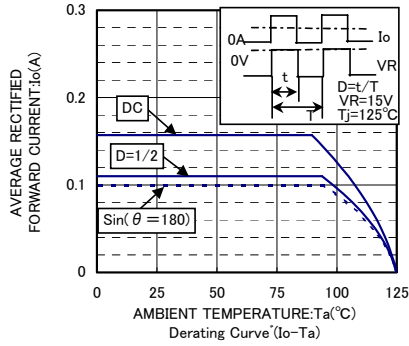


### Electrical characteristic curves (Ta=25°C)

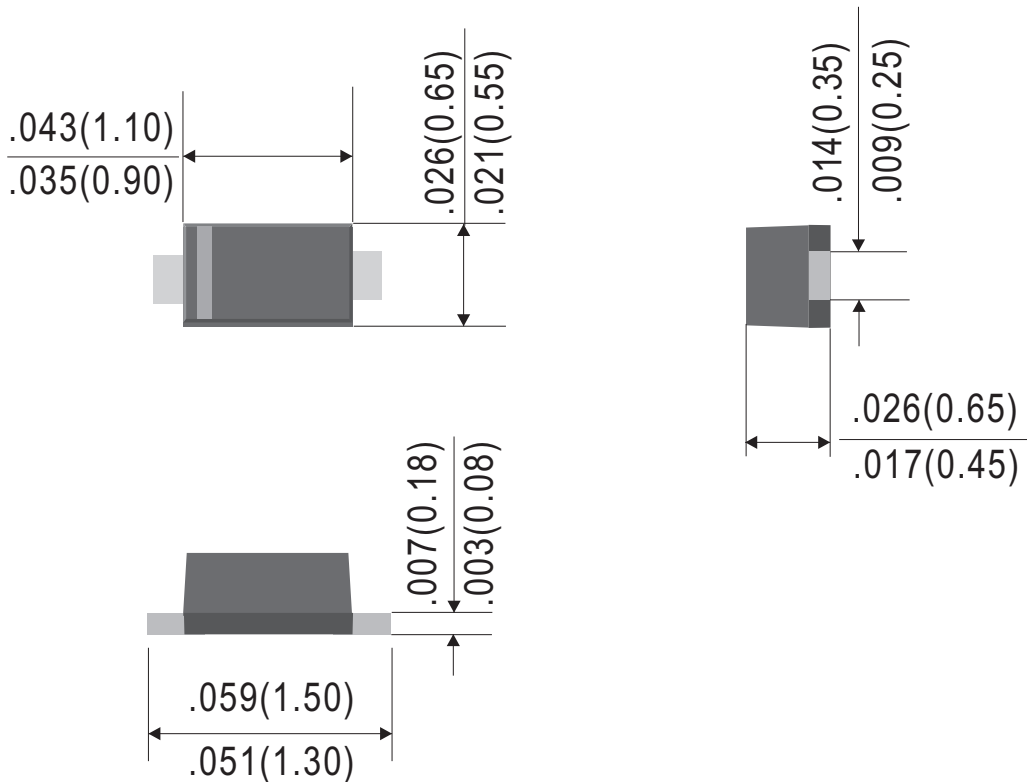


## 100mA Surface Mount Schottky Barrier Rectifiers-30V SOD-723 Package

# SCS520G



### SOD-723



Dimensions in inches and (millimeters)



### Ordering Information:

Device PN	Packing
SCS520G -T <sup>(1)</sup> G <sup>(2)</sup> -WS	Tape&Reel: 8 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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