



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

SCS520G

●Applications

Low current rectification

●Features

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

RoHS product for packing code suffix "G"

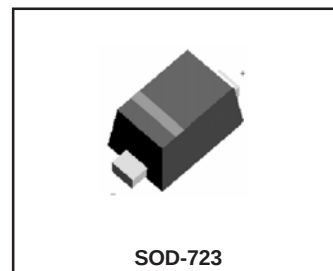
Halogen free product for packing code suffix "H"

Moisture Sensitivity Level 1

Polarity: Color band denotes cathode end

●Construction

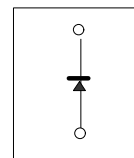
Silicon epitaxial planar



SOD-723

●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)

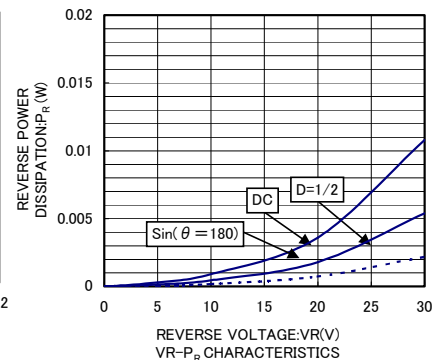
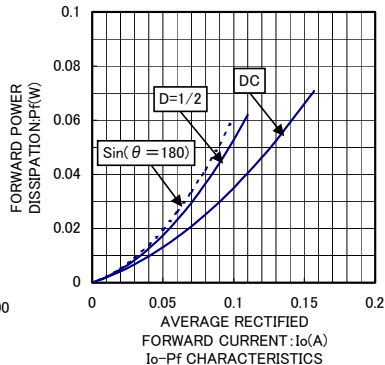
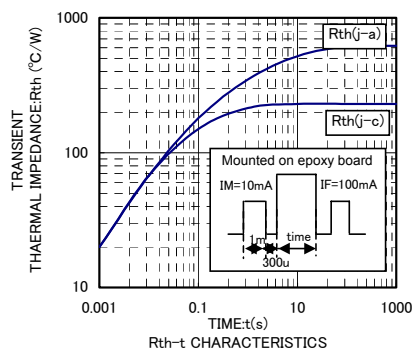
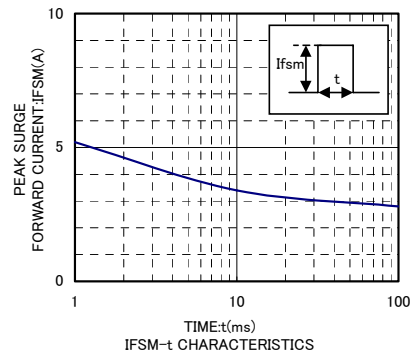
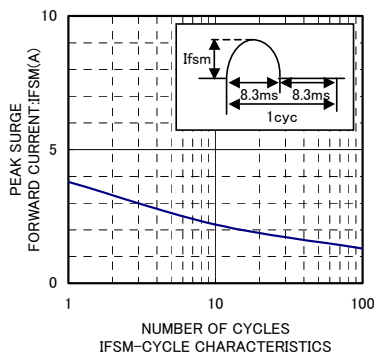
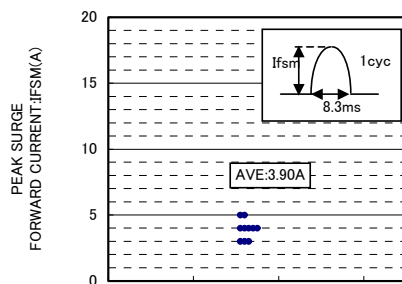
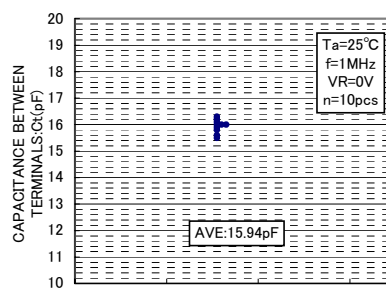
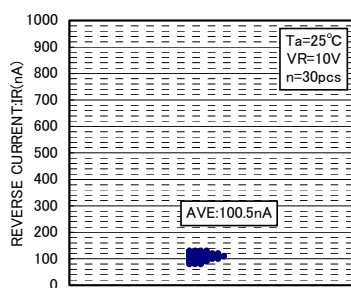
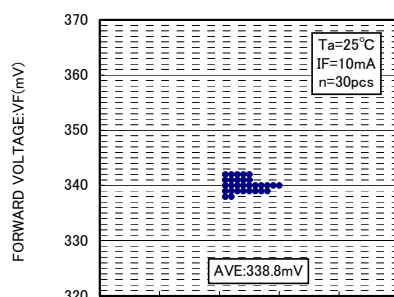
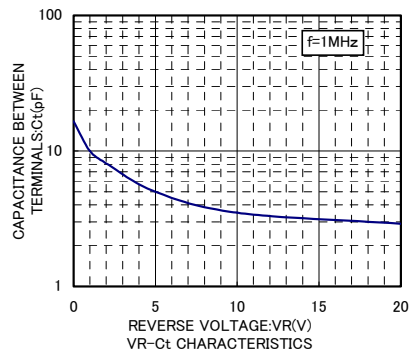
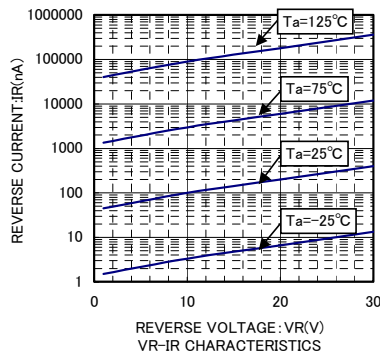
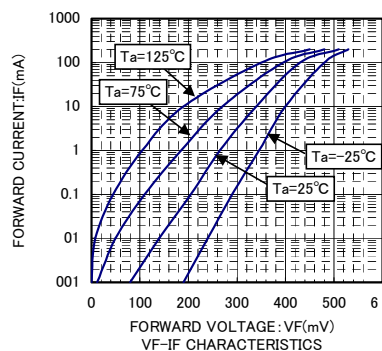
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.45	V	$I_F=10mA$
Reverse current	I_R	-	-	0.5	μA	$V_R=10V$



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Electrical characteristic curves (Ta=25°C)



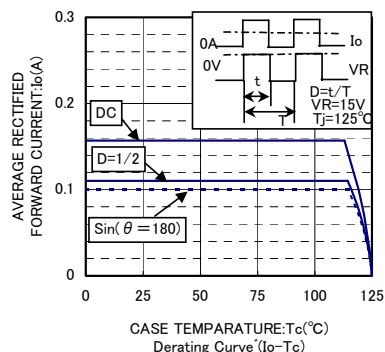
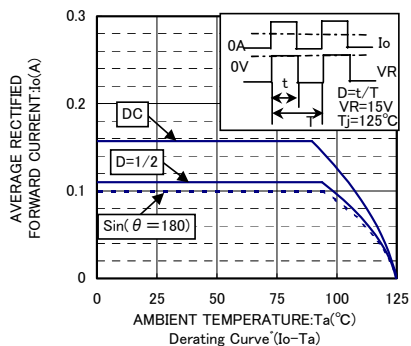


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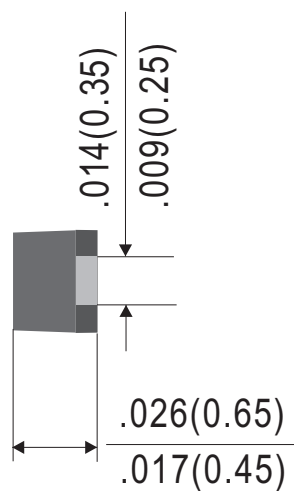
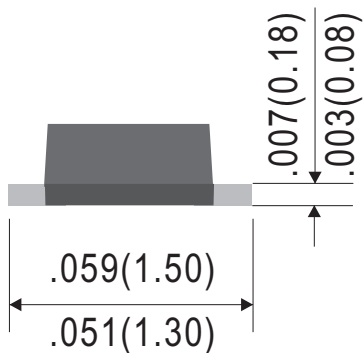
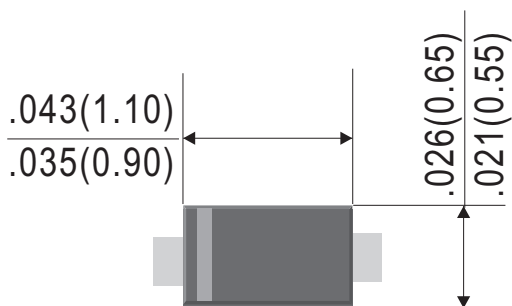


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SCS520G



SOD-723



Dimensions in inches and (millimeters)



Ordering Information:

Device PN	Packing
SCS520G -T ⁽¹⁾ G ⁽²⁾ -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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