



●Applications

Low current rectification

●Features

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

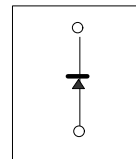
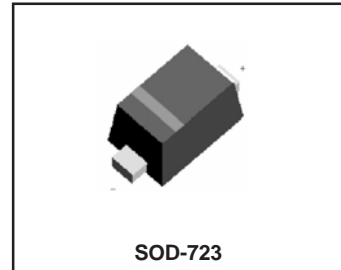
RoHS product for packing code suffix "G"
Halogen free product for packing code suffix "H"

●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
Storage temperature	T_{stg}	-40 to +125	°C

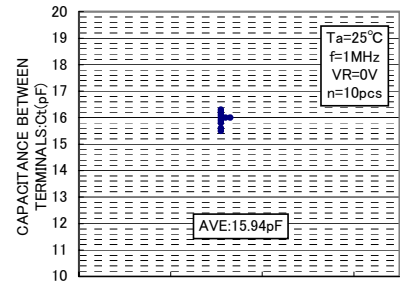
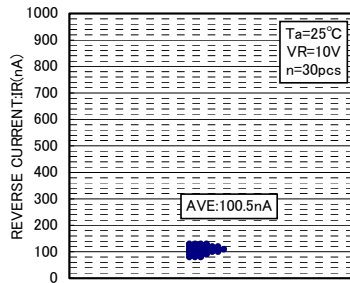
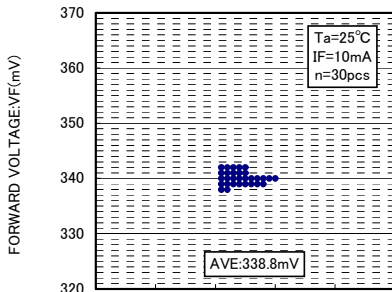
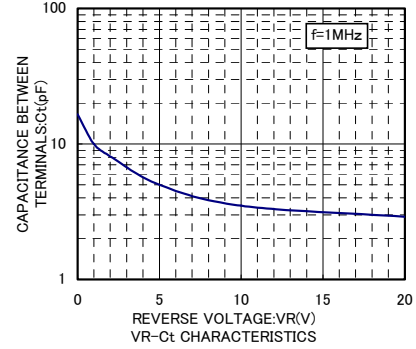
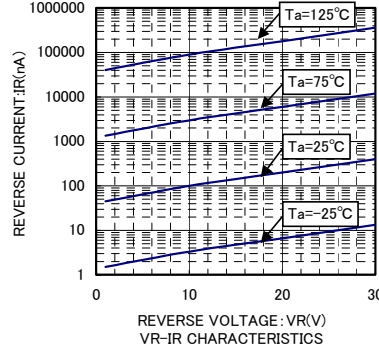
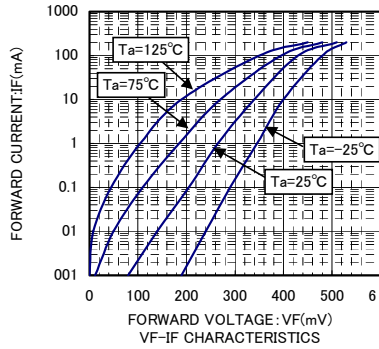
●Electrical characteristics (Ta=25°C)

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

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

SCS520G

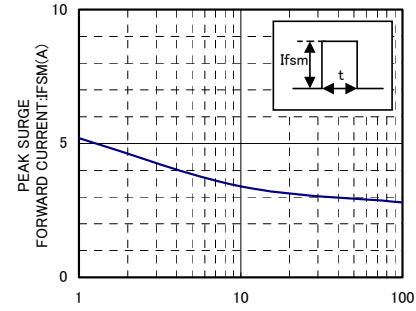
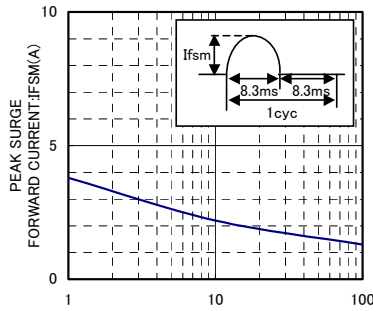
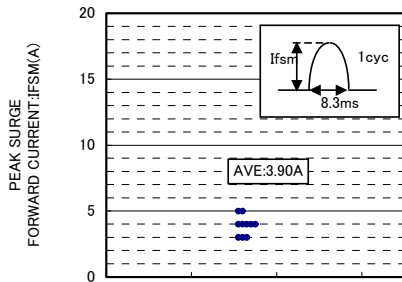
Electrical characteristic curves (Ta=25°C)



VF DISPERSION MAP

IR DISPERSION MAP

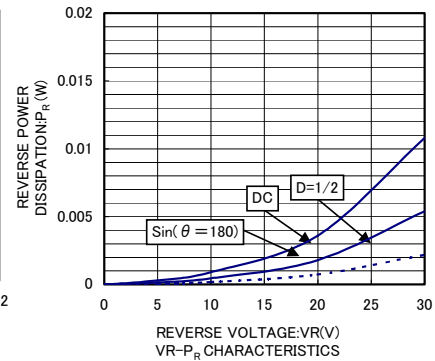
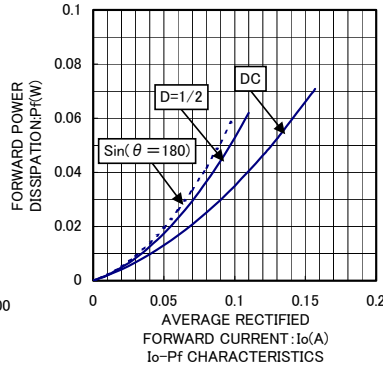
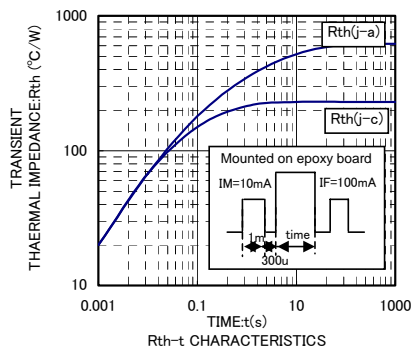
Ct DISPERSION MAP



IFSM DISERSION MAP

IFSM-CYCLE CHARACTERISTICS

IFSM-t CHARACTERISTICS



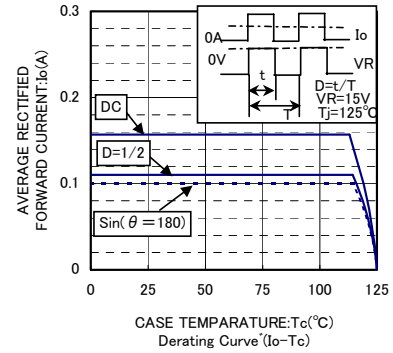
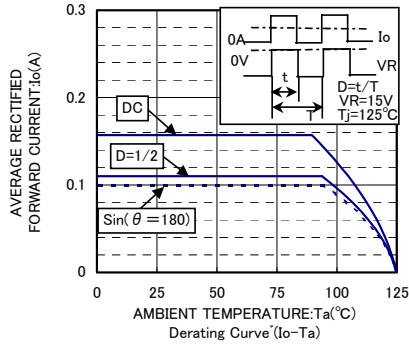
Rth-t CHARACTERISTICS

Io-PF CHARACTERISTICS

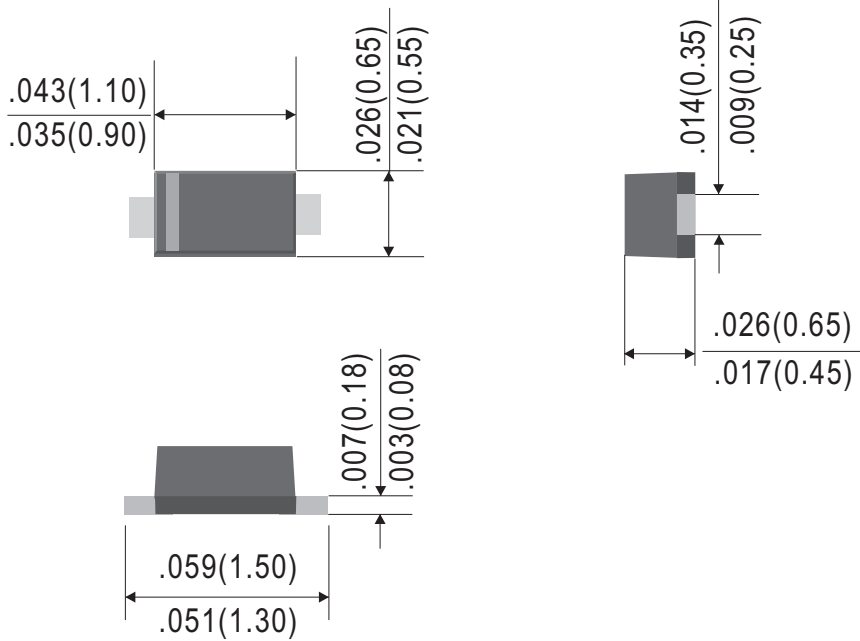
VR-Pr CHARACTERISTICS

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

SCS520G



SOD-723



Dimensions in inches and (millimeters)

SOLDERING FOOTPRINT*

