



●Applications

Low current rectification

●Features

Extremely small surface mounting type. (SOD-923)

Low I_R .

High reliability.

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

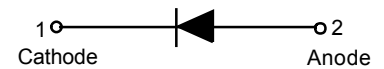
Pb-Free package is available

RoHS product for packing code suffix "G"

Halogen free product for packing code suffix "H"

●Construction

Silicon epitaxial planar



Device Marking And Ordering Information

Device	Marking	Shipping
SCS520CS-30T5G	E	8000/Tape&Reel

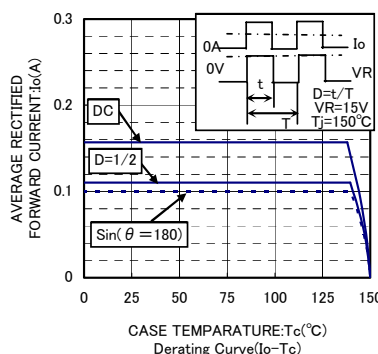
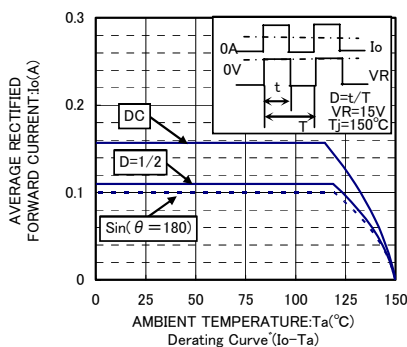
Maximum Ratings ($T_A = 25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_o	100	mA
Peak forward surge current	I_{FSM}	500	mA
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40~+125	$^\circ\text{C}$

Electrical Characteristics ($T_A = 25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.45	V	$I_F = 10\text{mA}$
Forward voltage	V_F	-	-	0.50	V	$I_F = 20\text{mA}$
Reverse current	I_R	-	-	0.5	μA	$V_R = 10\text{V}$

Electrical characteristic curves ($T_a = 25^\circ\text{C}$)

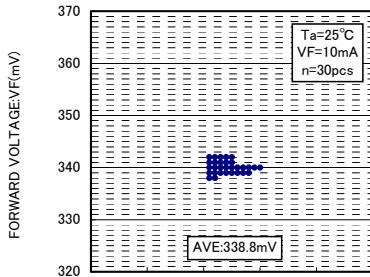
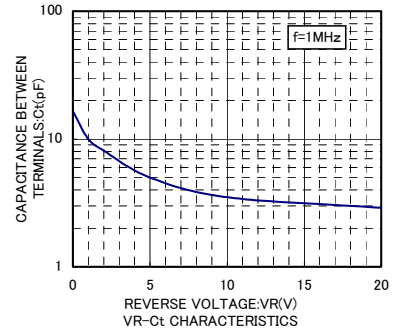
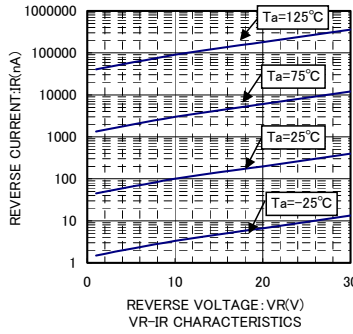
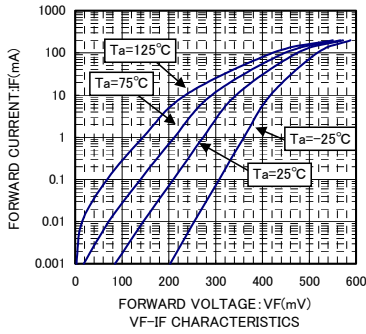




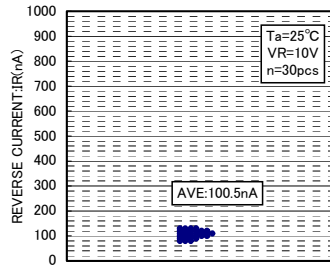
100mA Surface Mount Schottky Barrier Rectifiers - 30V SOD-923 Package

SCS520CS-30T5G

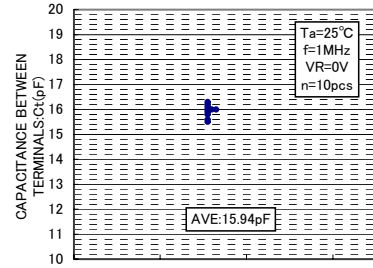
Electrical characteristic curves ($T_a=25^{\circ}\text{C}$)



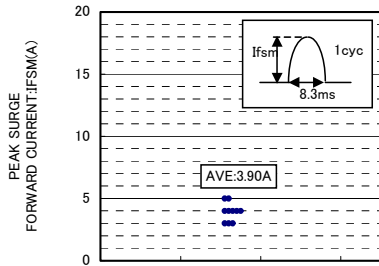
VF DISPERSION MAP



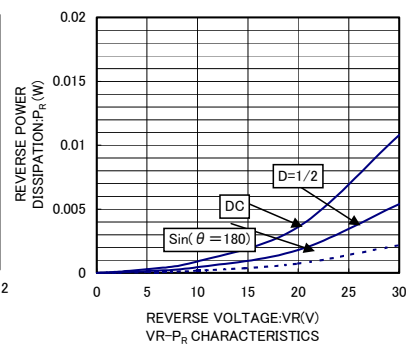
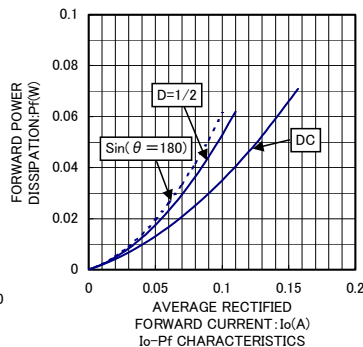
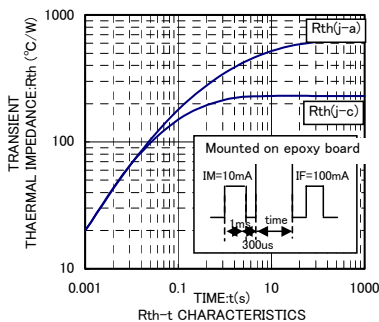
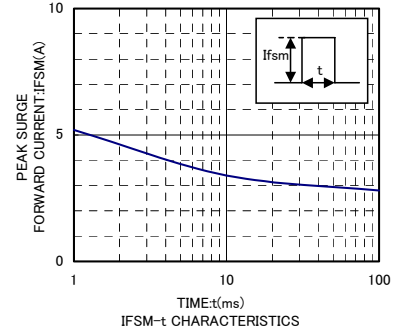
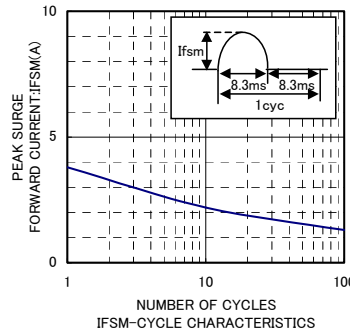
IR DISPERSION MAP



C_t DISPERSION MAP

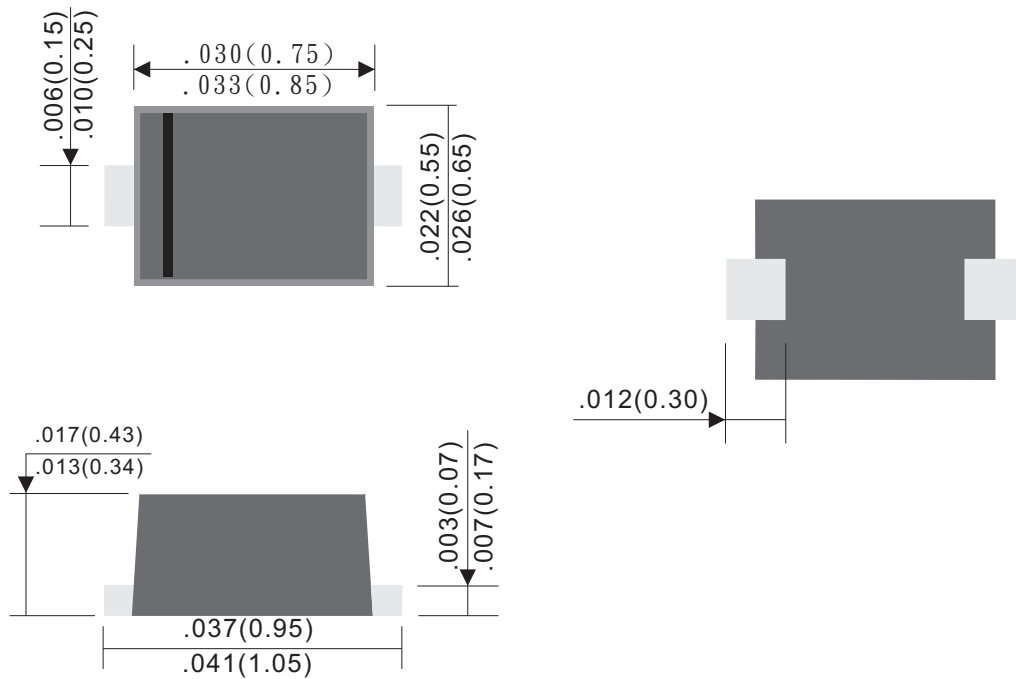


IFSM DISERSION MAP





SOD-923



Dimensions in inches and (millimeters)

SOLDERING FOOTPRINT*

