



30mA Surface Mount Schottky Barrier Rectifiers - 40V SOD-923 Package

SCS751CS-40T5G

●Applications

Low current rectification

●Features

Extremely small surface mounting type. (SOD-923)

Low V_F

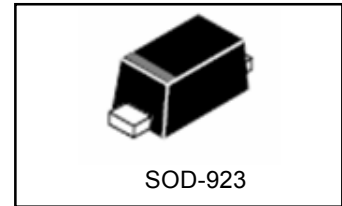
High reliability.

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
SCS751CS-40T5G	5	8000/Tape&Reel

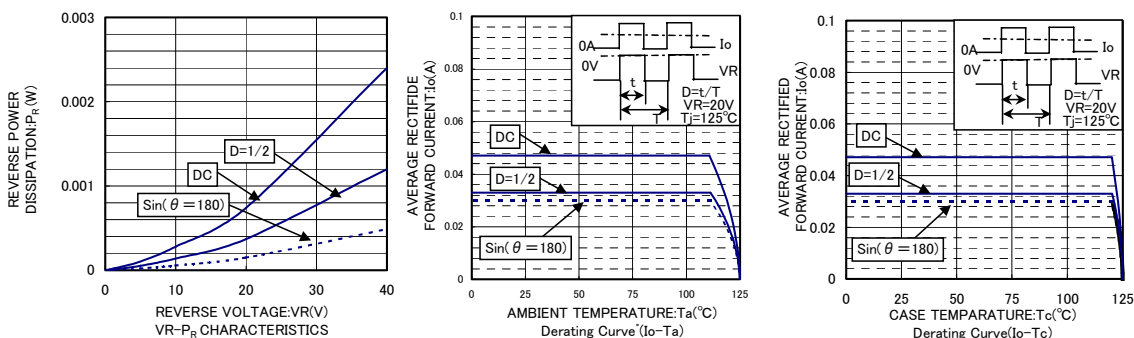
●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	30	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	200	mA
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

●Electrical characteristic (Ta=25°C)

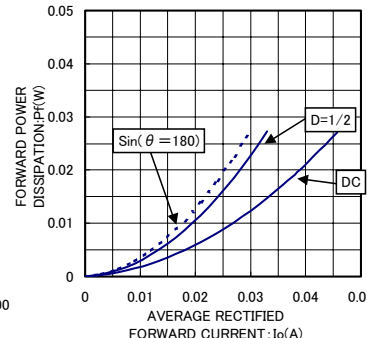
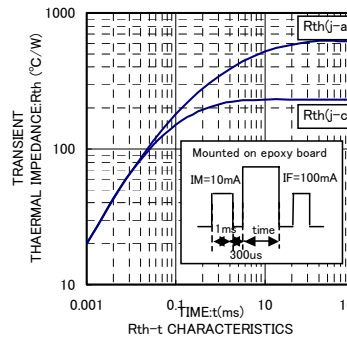
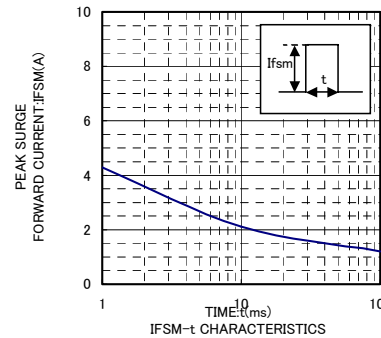
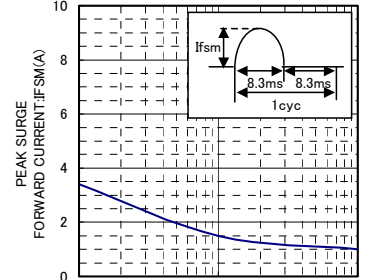
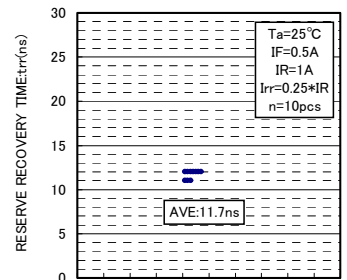
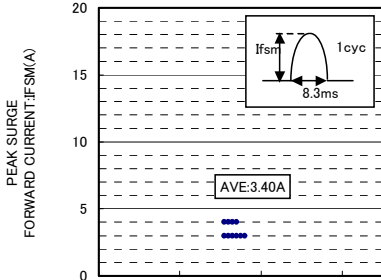
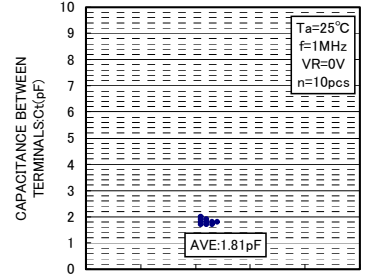
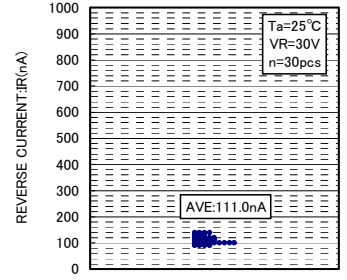
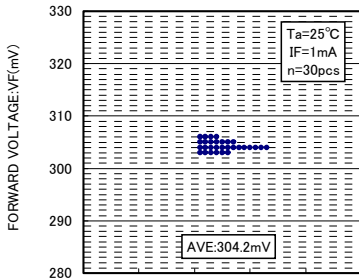
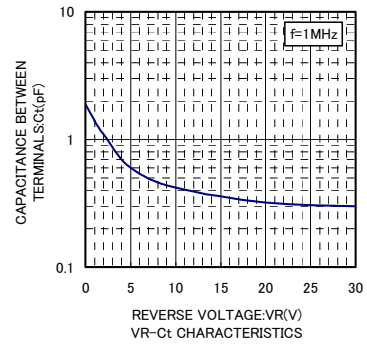
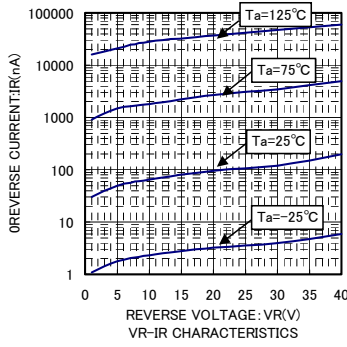
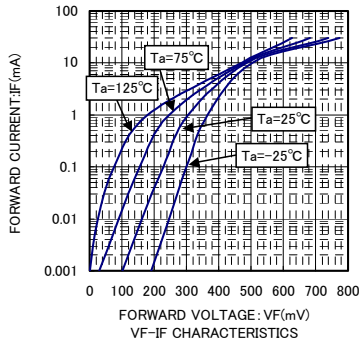
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-		0.37	V	$I_F=1mA$
Reverse current	I_R	-		0.5	μA	$V_R=30V$
Capacitance between terminals	C_t	-	2	-	pF	$V_R=1V, f=1MHz$

Electrical characteristic curves (Ta=25°C)



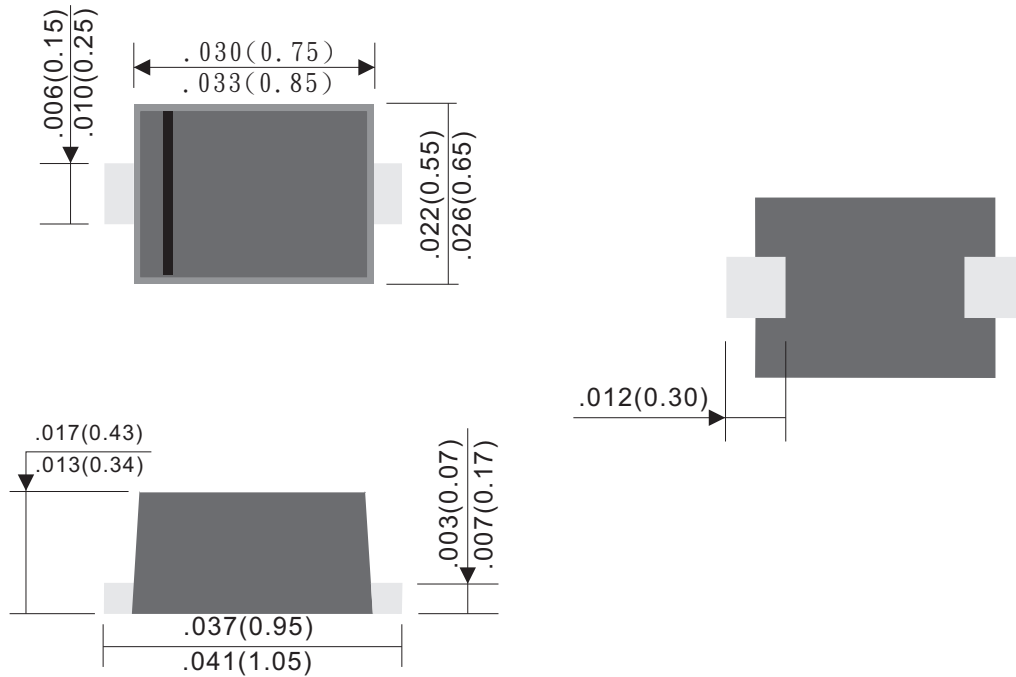


●Electrical characteristic curves





SOD-923



Dimensions in inches and (millimeters)

SOLDERING FOOTPRINT*

