



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

SCS751CS-40T5

●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"

Moisture Sensitivity Level 1

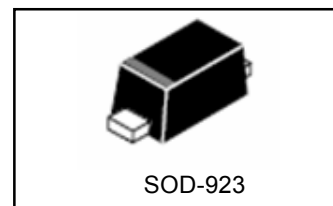
Polarity: Color band denotes cathode end

● Construction

Silicon epitaxial planar

DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
SCS751CS-40T5	5	8000/Tape&Reel



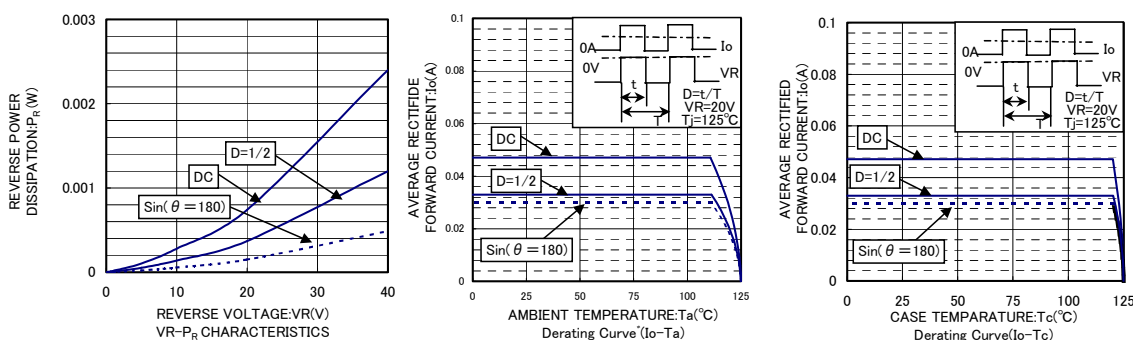
●Absolute maximum ratings (Ta=25°C)

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

●Electrical characteristic (Ta=25°C)

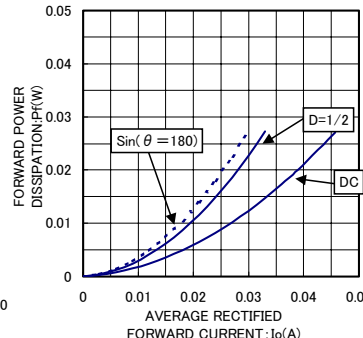
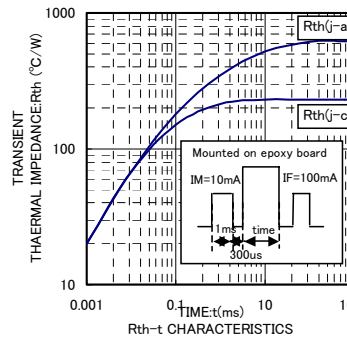
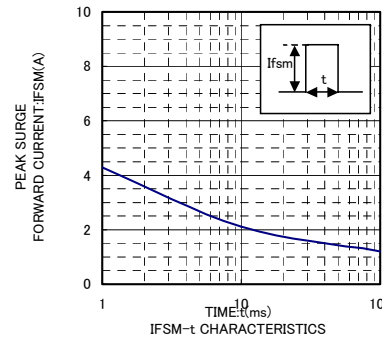
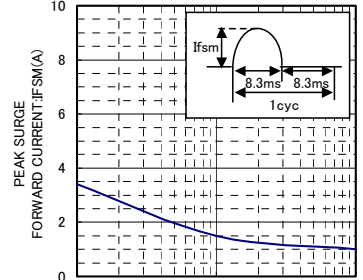
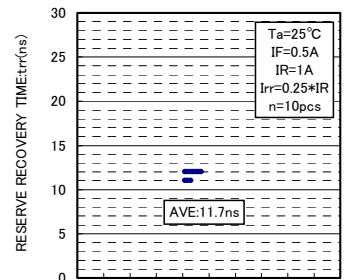
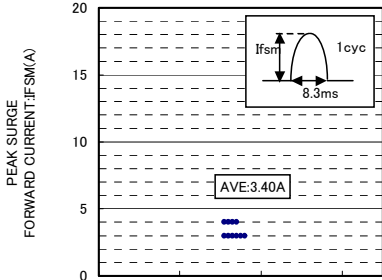
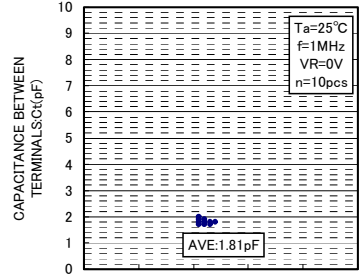
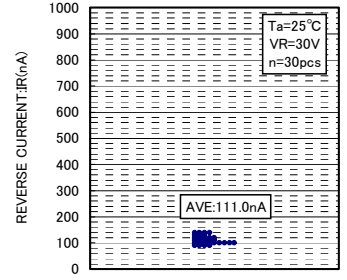
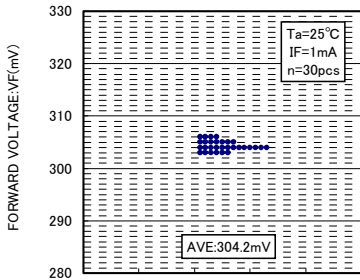
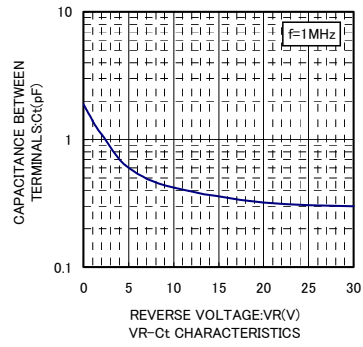
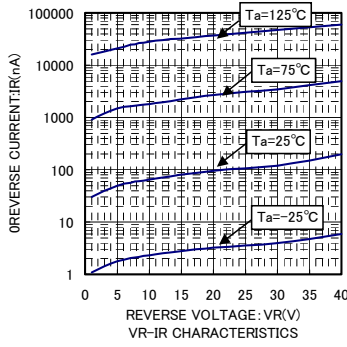
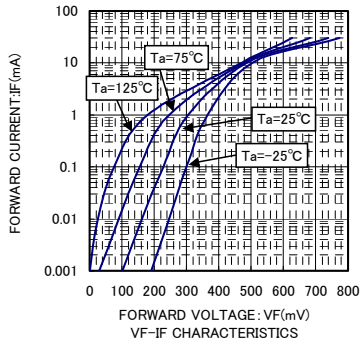
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-		0.37	V	$I_F=1mA$
Reverse current	I_R	-		0.5	μA	$V_R=30V$
Capacitance between terminals	C_t	-	2	-	pF	$V_R=1V, f=1MHz$

Electrical characteristic curves (Ta=25°C)



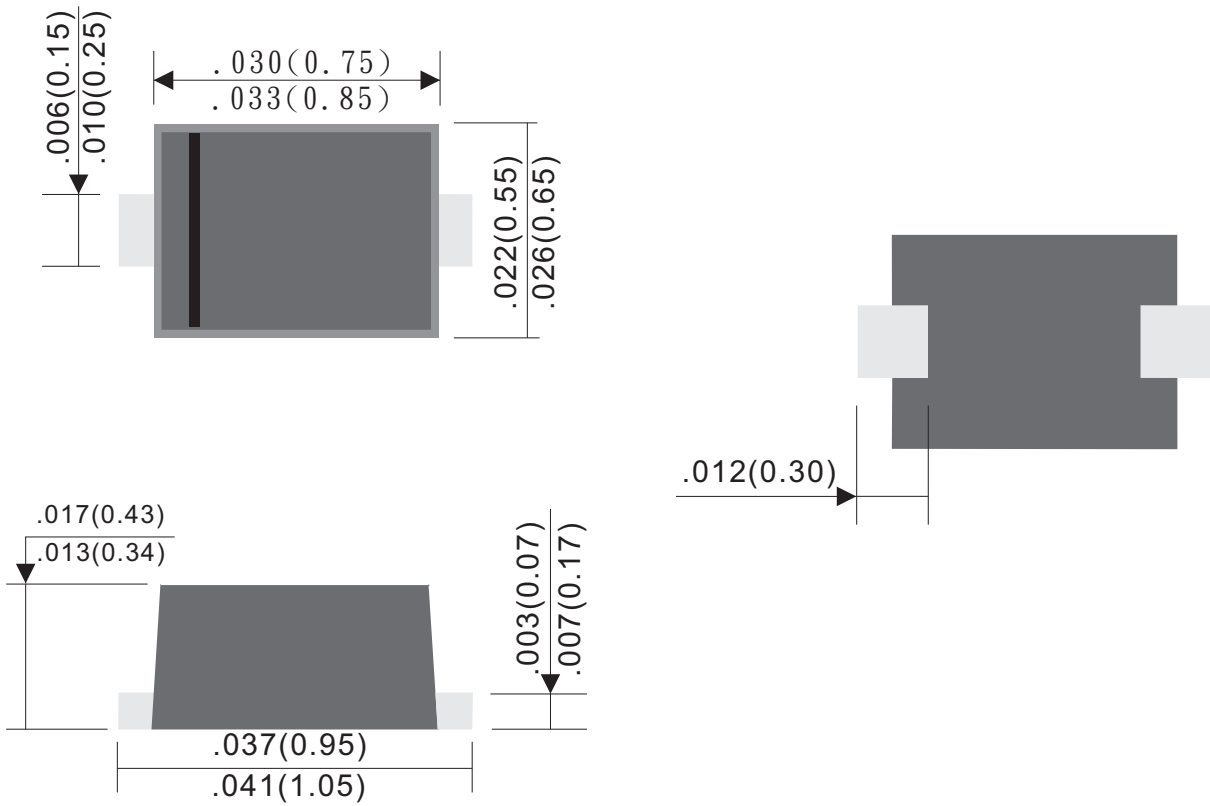


●Electrical characteristic curves





SOD-923



Dimensions in inches and (millimeters)



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

SCS751CS-40T5

Ordering Information:

Device PN	Packing
SCS751CS-40T5 G ⁽¹⁾ -WS	Tape&Reel: 8 Kpcs/Reel

Note: (1) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

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