



30mA Surface Mount Schottky Barrier Rectifiers-40V SOD-723 Package

SCS751G

●Applications

General rectification

●Features

- 1) Small power mold type.
(SOD-723)
- 2) Low V_F
- 3) High reliability

●Construction

Silicon epitaxial planar

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

●Absolute maximum ratings ($T_a=25^{\circ}\text{C}$)

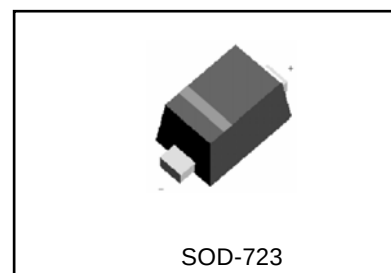
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	30	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	200	mA
Junction temperature	T_j	125	$^{\circ}\text{C}$
Operating/Storage temperature	T_{stg}	-40 to +125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

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

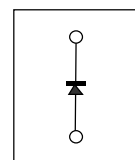
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.37	V	$I_F=1\text{mA}$
Reverse current	I_R	-	-	0.5	μA	$V_R=30\text{V}$
Capacitance between terminals	C_t	-	2	-	pF	$V_R=1\text{V}$, $f=1\text{MHz}$

●DEVICE MARKING

Device	Marking
SCS751G	5



SOD-723





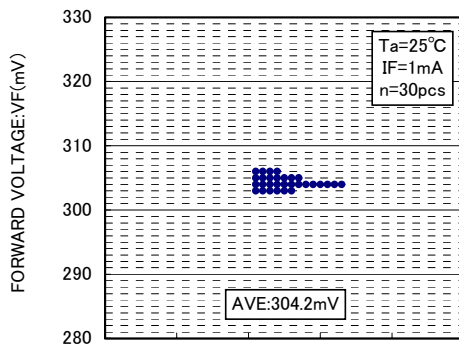
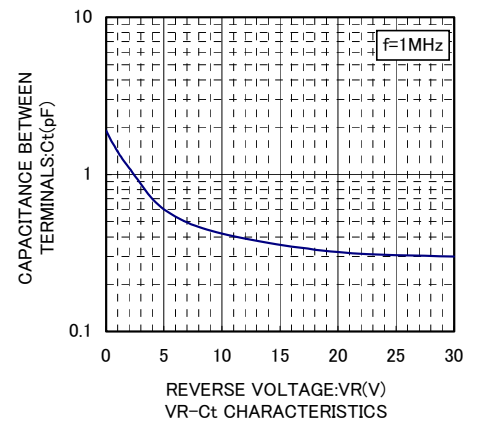
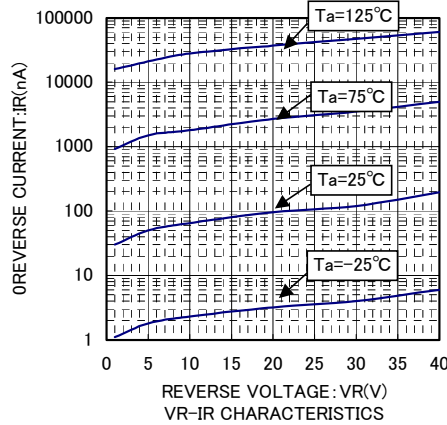
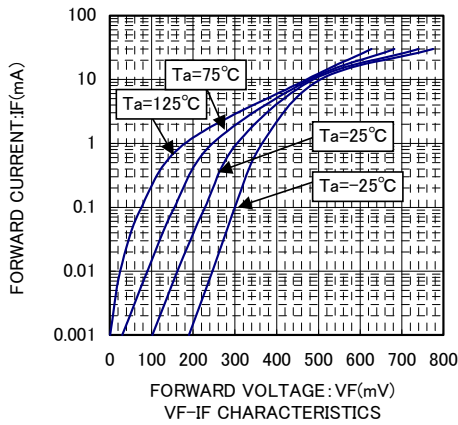
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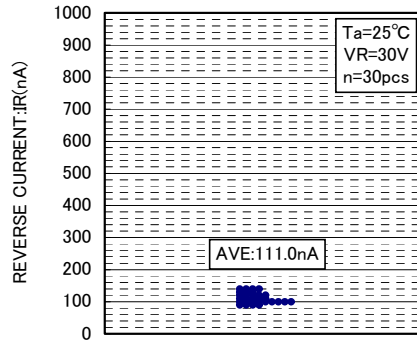
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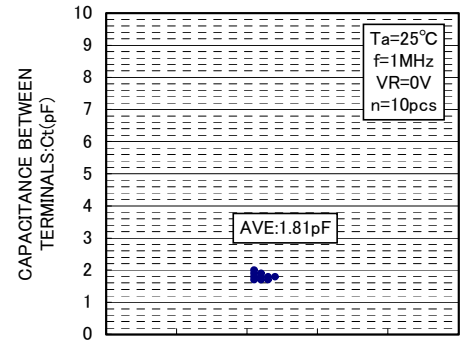
Electrical characteristic curves ($T_a=25^{\circ}\text{C}$)



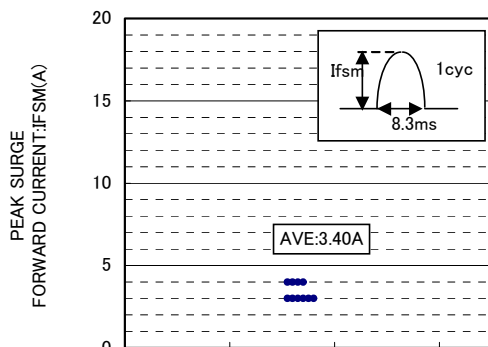
VF DISPERSION MAP



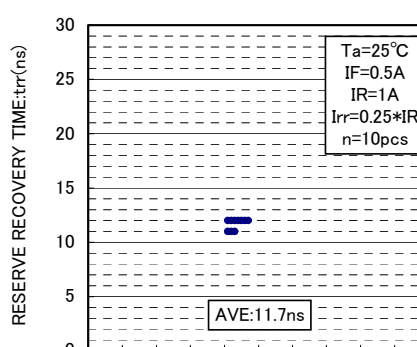
IR DISPERSION MAP



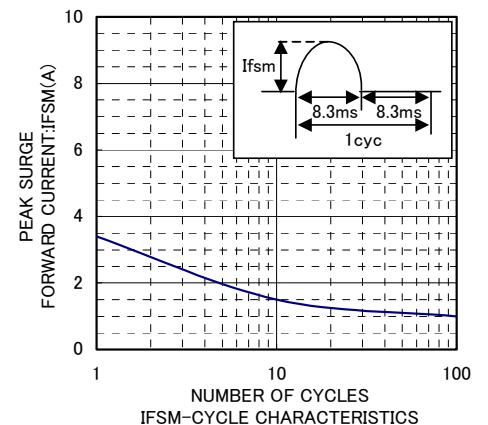
C_t DISPERSION MAP



IFSM DISRESION MAP



t_{rr} DISPERSION MAP

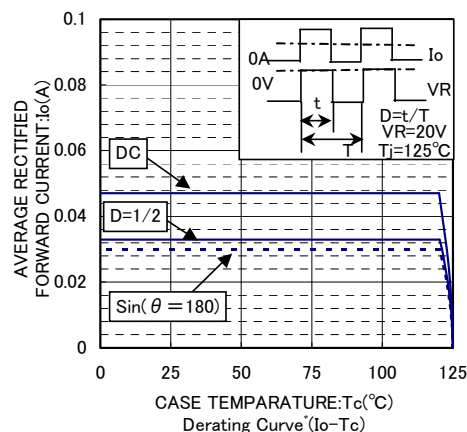
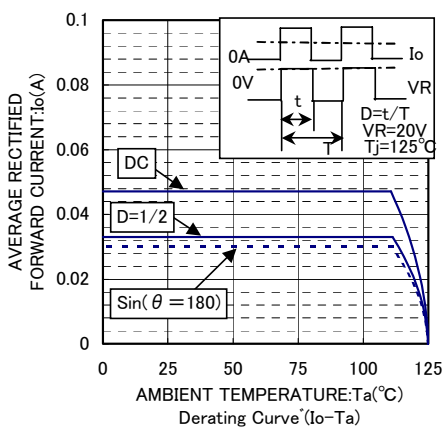
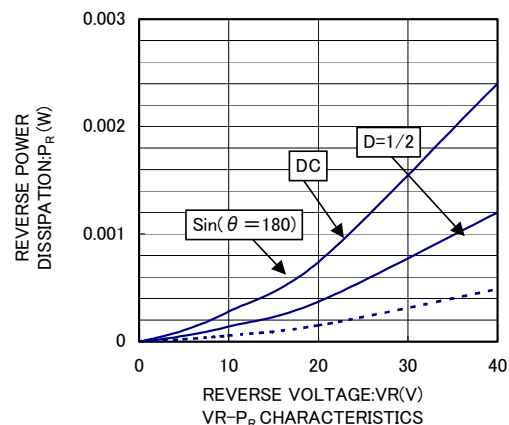
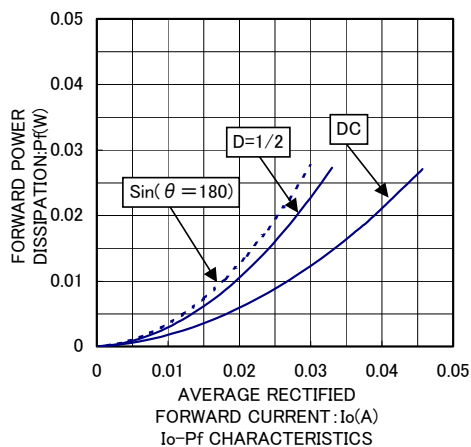
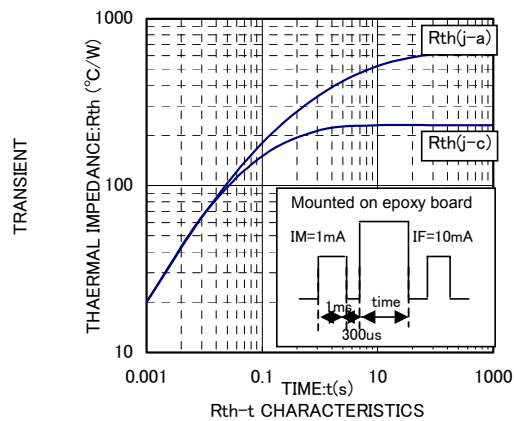
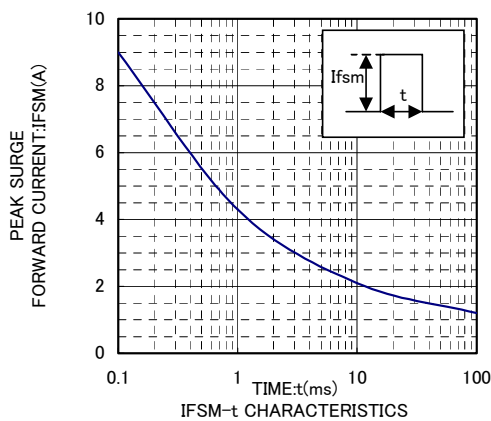




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Electrical characteristic curves ($T_a=25^{\circ}\text{C}$)





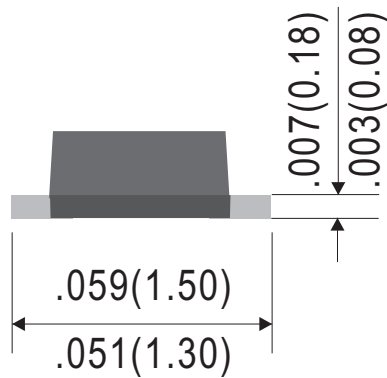
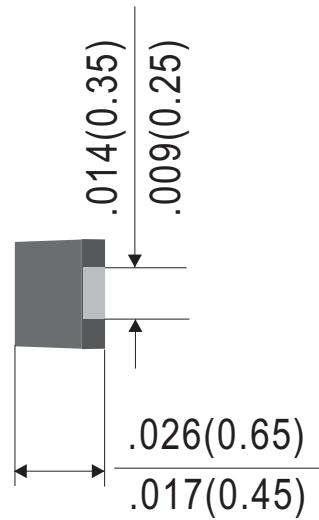
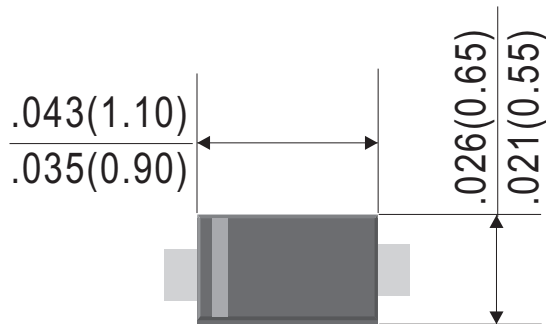
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Ordering Information:

Device PN	Packing
SCS751G -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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