WILLAS

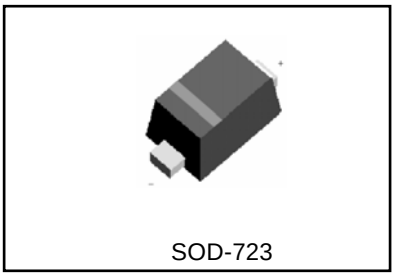
RoHS COMPLIANT

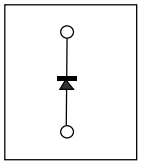
30mA Surface Mount Schottky Barrier Rectifiers-40V
SOD-723 Package

SCS751G

●Applications
General rectification

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


SOD-723



●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”

●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	Io	30	mA
Forward current surge peak（60Hz・1cyc）	I_{FSM}	200	mA
Junction temperature	Tj	125	℃
Storage temperature	Tstg	-40 to +125	℃

●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	Ct	-	2	-	pF	V_R=1V , f=1MHz

●DEVICE MARKING

Device	Marking
SCS751G	5

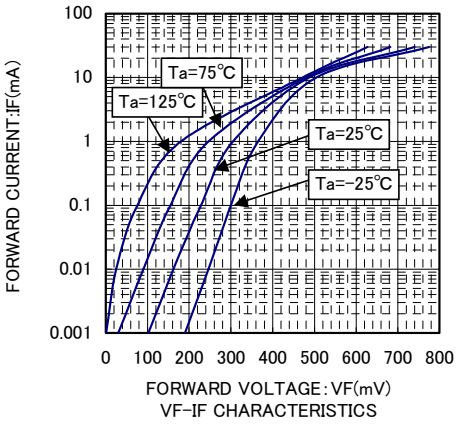
WILLAS

RoHS COMPLIANT

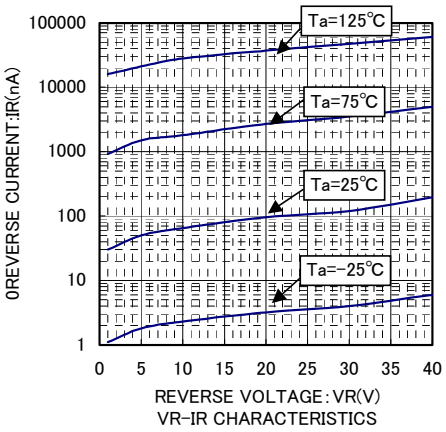
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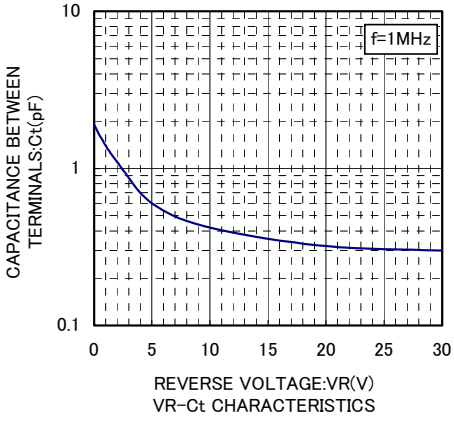
Electrical characteristic curves (Ta=25°C)



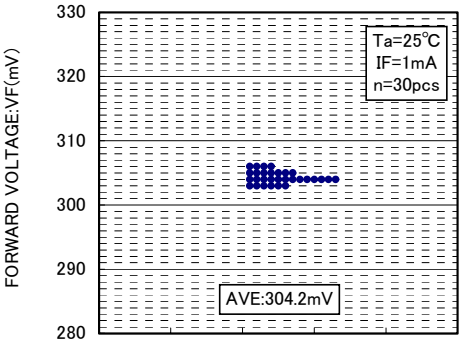
VF-IF CHARACTERISTICS



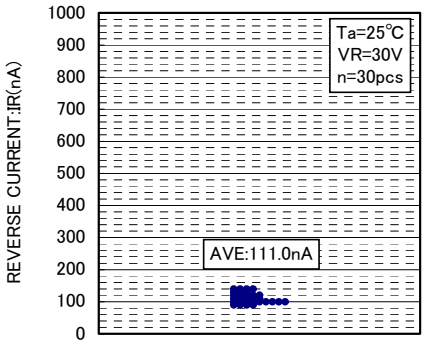
VR-IR CHARACTERISTICS



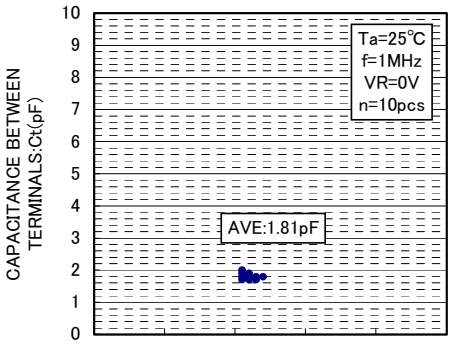
VR-Ct CHARACTERISTICS



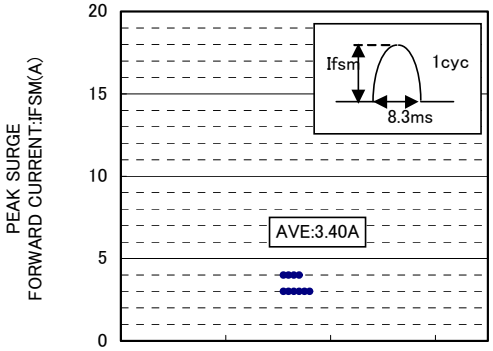
VF DISPERSION MAP



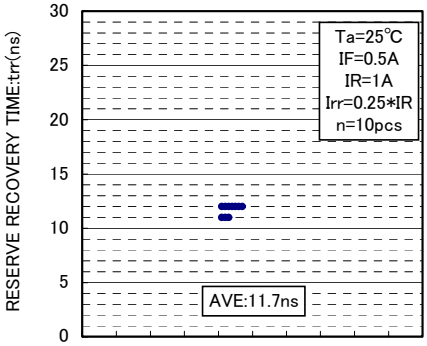
IR DISPERSION MAP



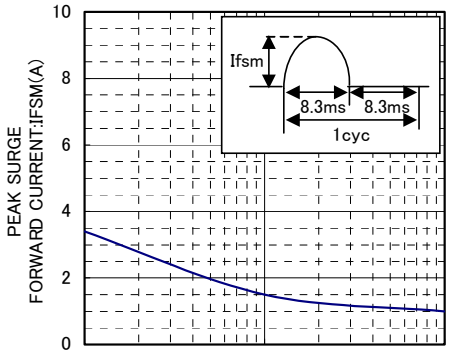
Ct DISPERSION MAP



IFSM DISRESION MAP



trr DISPERSION MAP



IFSM-CYCLE CHARACTERISTICS

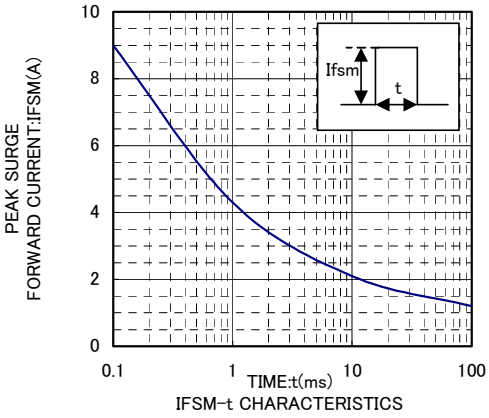
WILLAS

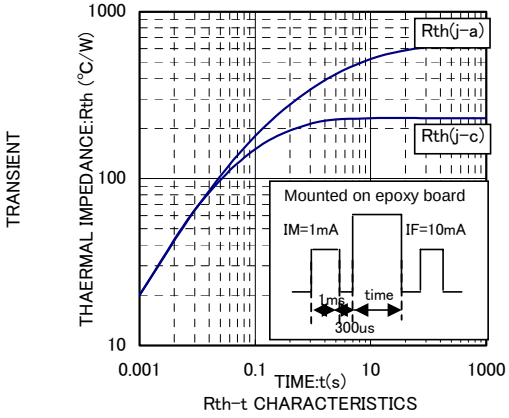
RoHS COMPLIANT

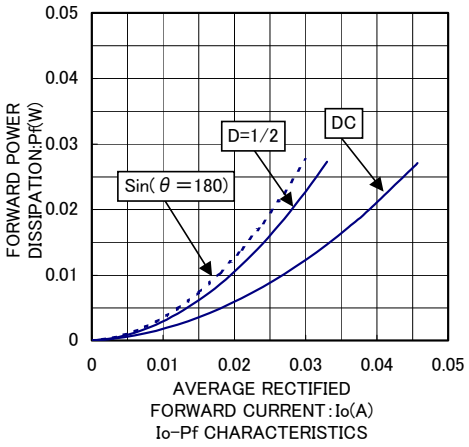
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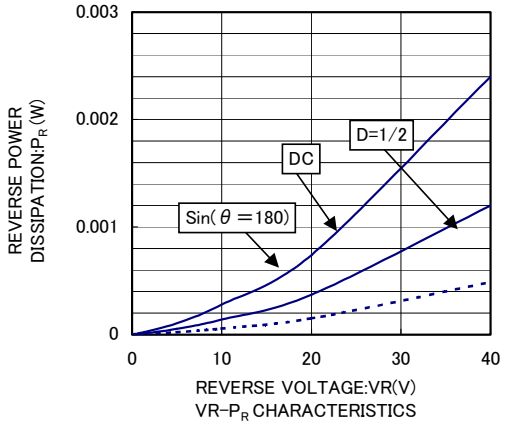
SCS751G

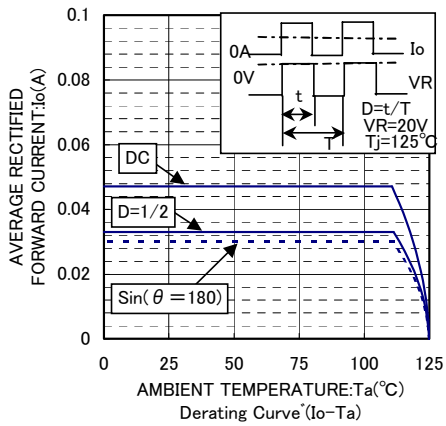
Electrical characteristic curves (Ta=25°C)

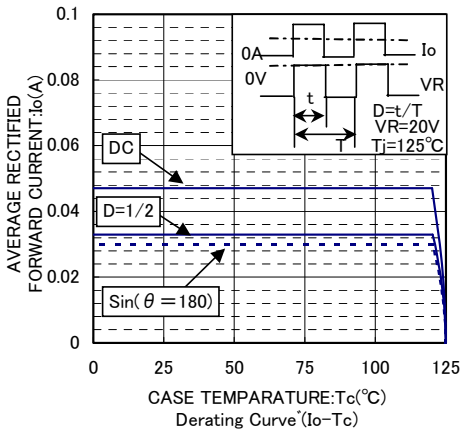












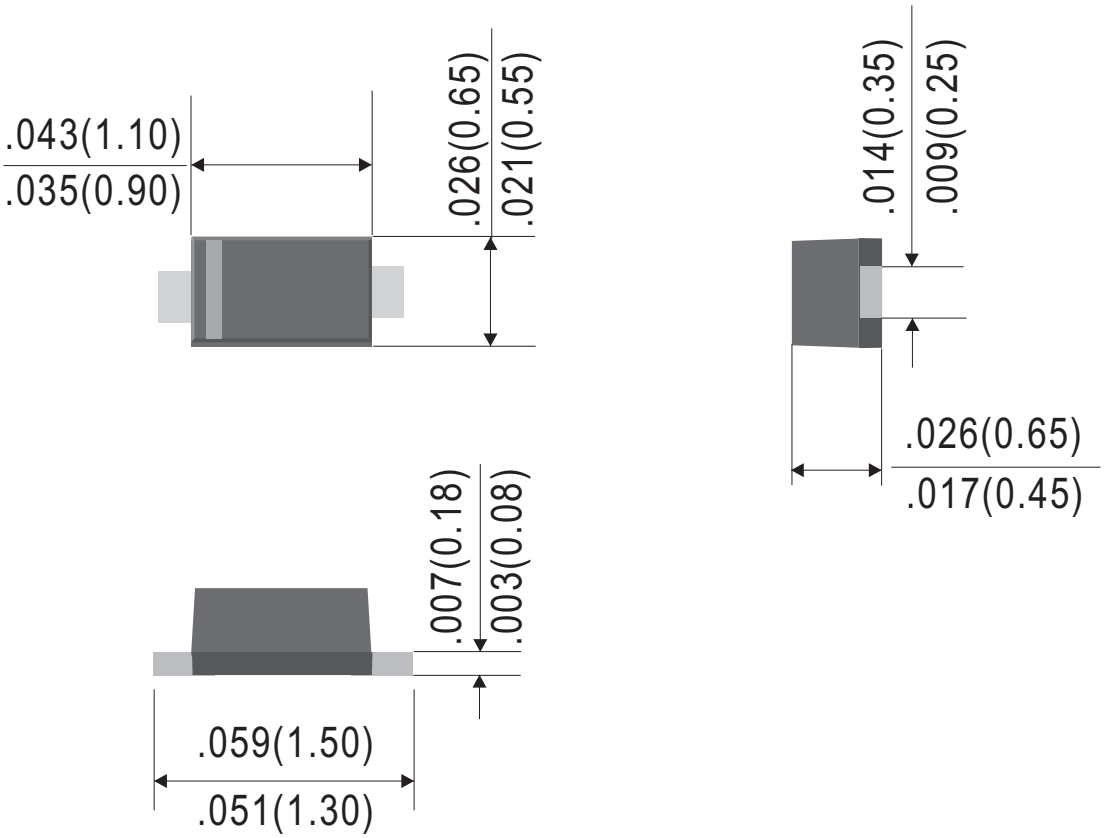
WILLAS

RoHS COMPLIANT

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SOD−723



SOLDERING FOOTPRINT*

