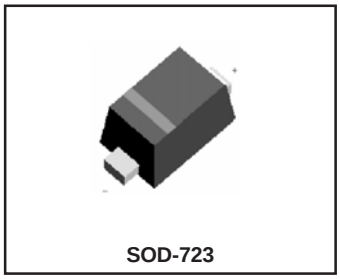
WILLAS

RoHS COMPLIANT

100mA Surface Mount Schottky Barrier Rectifiers-30V
SOD-723 Package

SCS520G

●Applications
Low current rectification


SOD-723

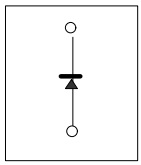
●Features
1) Ultra Small mold type.
2) Low I_R.
3) High reliability.

RoHS product for packing code suffix "G"
Halogen free product for packing code suffix "H"

●Construction
Silicon epitaxial planar

●Device Marking

Device	Marking
SCS520G	E



Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	V_R	30	V
Average rectified forward current	Io	100	mA
Forward current surge peak（60Hz・1cyc)	I_{FSM}	500	mA
Junction temperature	Tj	125	℃
Storage temperature	Tstg	-40 to +125	℃

●Electrical characteristics (Ta=25°C)

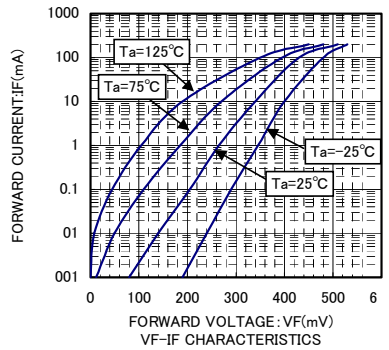
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.45	V	I_F=10mA
Reverse current	I_R	-	-	0.5	μA	V_R=10V

RoHS COMPLIANT

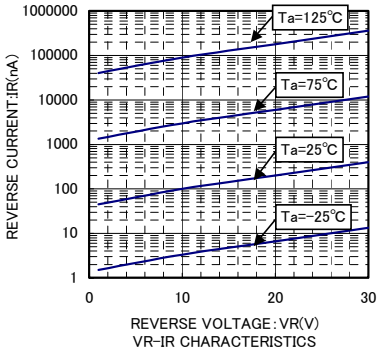
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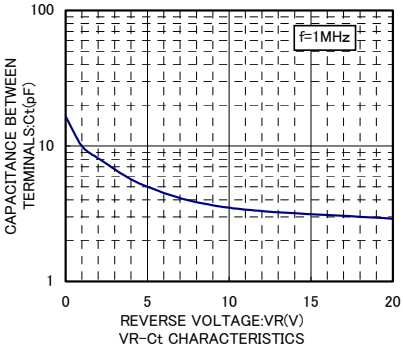
Electrical characteristic curves (Ta=25°C)



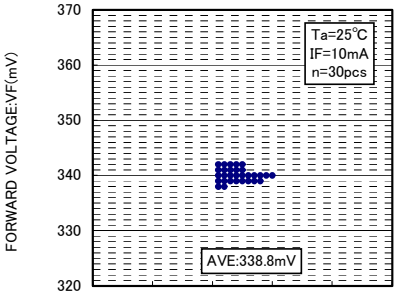
VF-IF CHARACTERISTICS



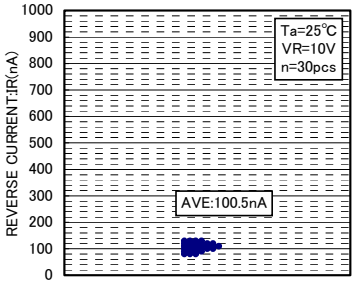
VR-IR CHARACTERISTICS



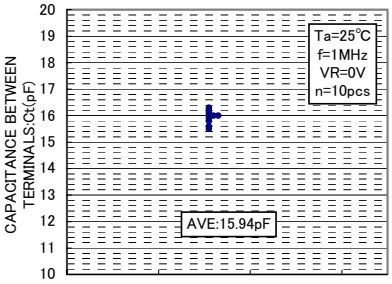
VR-Ct CHARACTERISTICS



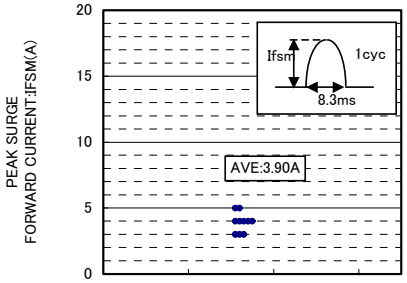
VF DISPERSION MAP



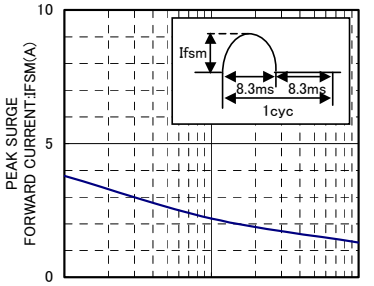
IR DISPERSION MAP



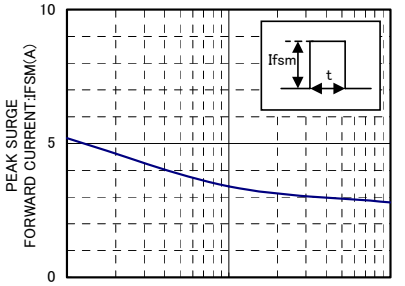
Ct DISPERSION MAP



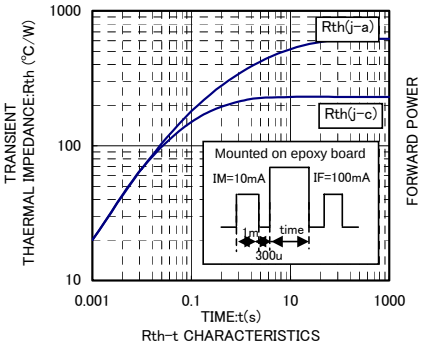
IFSM DISRESION MAP



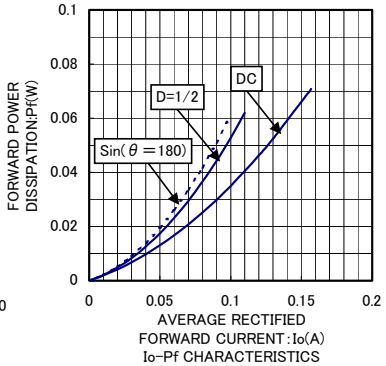
IFSM-CYCLE CHARACTERISTICS



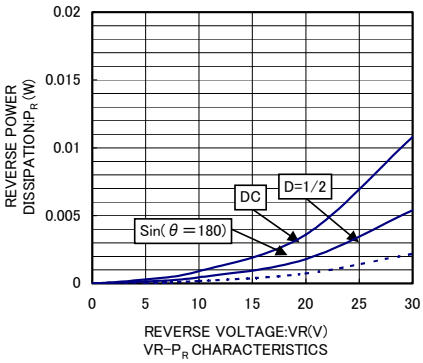
IFSM-t CHARACTERISTICS



Rth-t CHARACTERISTICS



Io-Pf CHARACTERISTICS



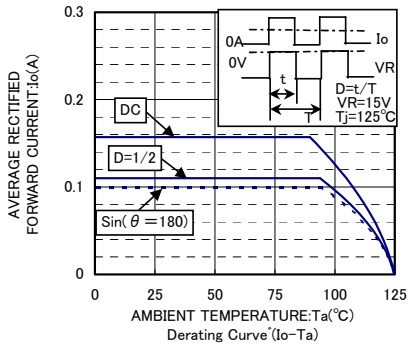
VR-P_R CHARACTERISTICS

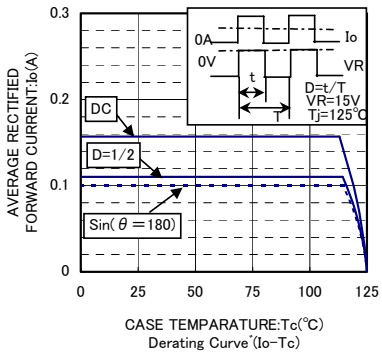
WILLAS

RoHS COMPLIANT

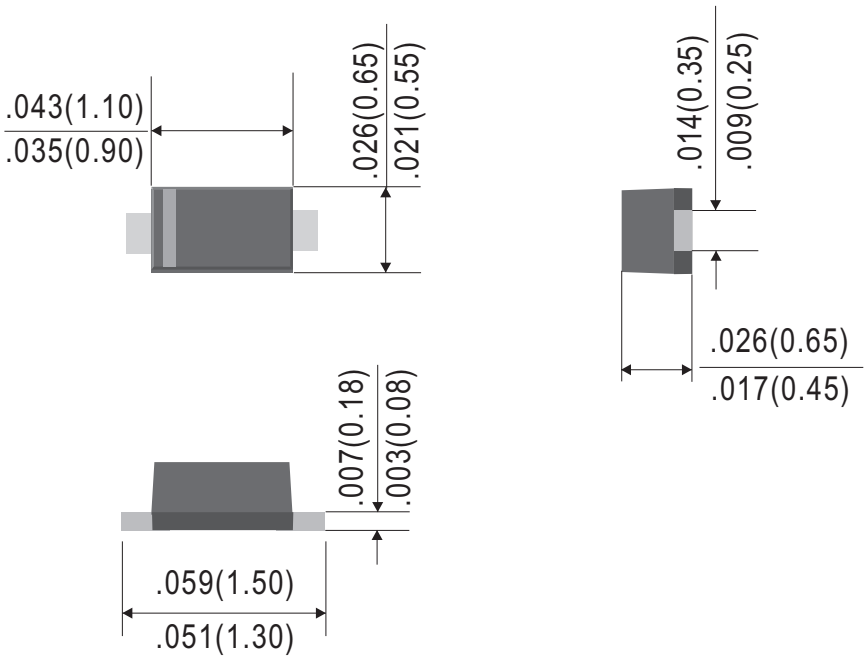
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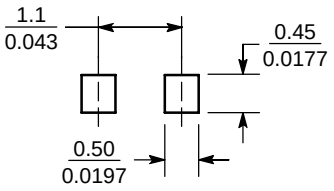


SOD−723



Dimensions in inches and (millimeters)

SOLDERING FOOTPRINT*



SCALE 10:1 (mm / inches)