

■Schottky barrier Diode

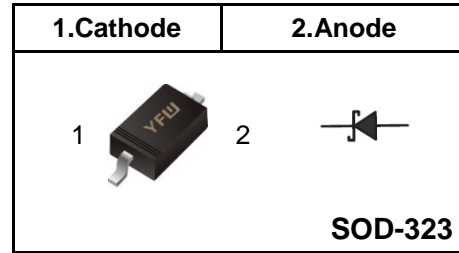
Features

- Low V_F , Low I_R
- High reliability

Applications

- General rectification

Pinning



Marking Code

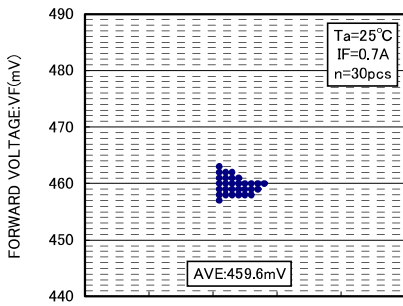
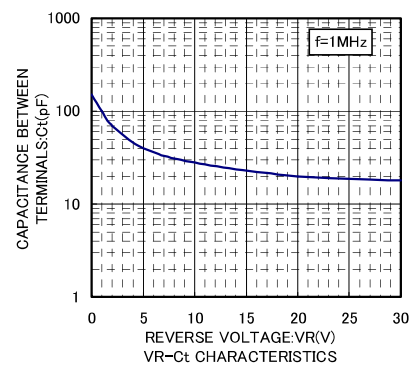
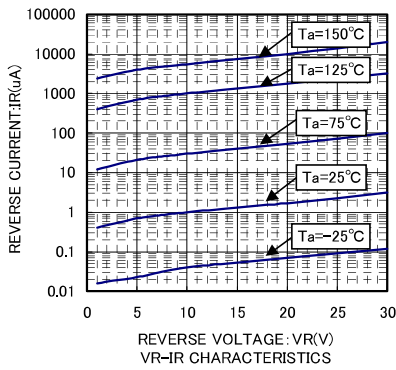
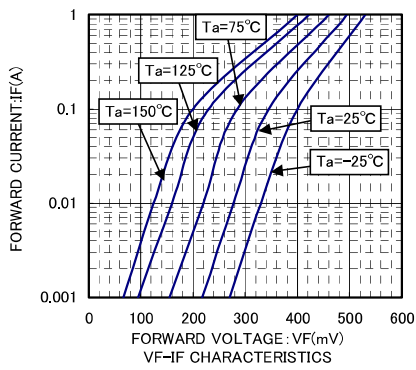
RB550 VA	S
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Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

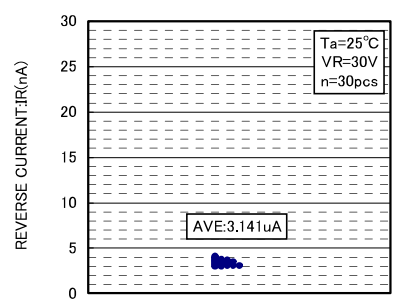
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_O	1	A
Forward current surge peak (60Hz* 1cyc)	I_{FSM}	3	A
Junction temperature	T_J	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +150	$^\circ\text{C}$

Electrical Characteristics $T_a = 25^\circ\text{C}$

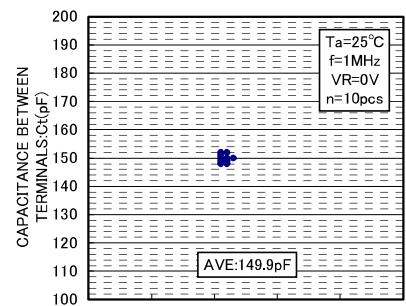
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	0.45	0.49	V	$I_F=700\text{mA}$
	V_{F2}	-	0.48	0.52	V	$I_F=1\text{A}$
Reverse current	I_R	-	1	30	μA	$V_R=10\text{V}$



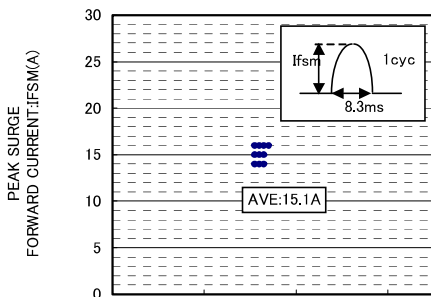
VF DISPERSION MAP



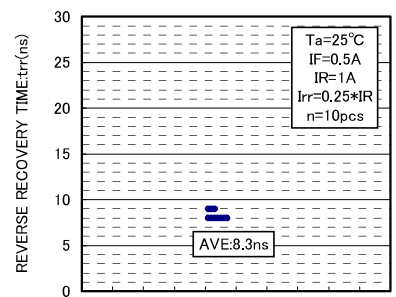
IR DISPERSION MAP



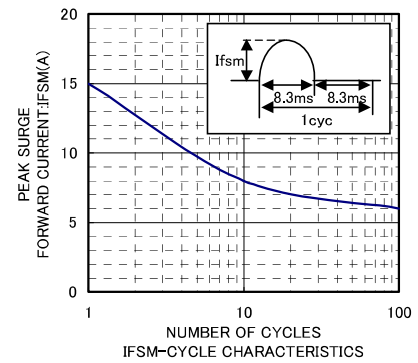
Ct DISPERSION MAP

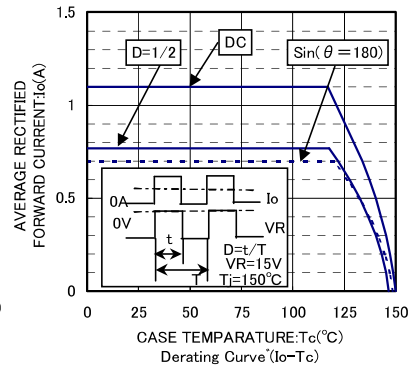
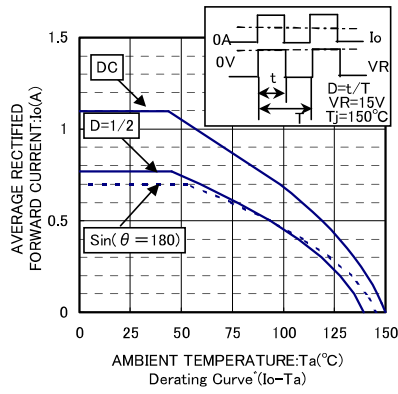
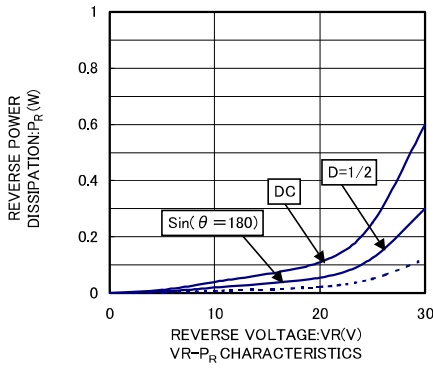
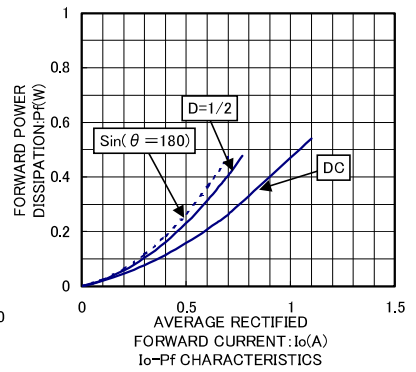
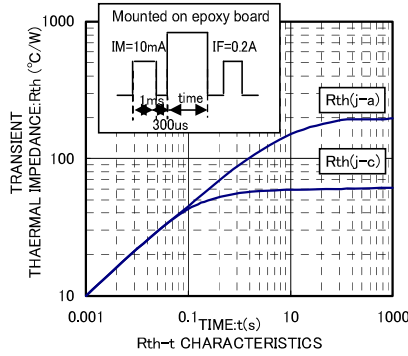
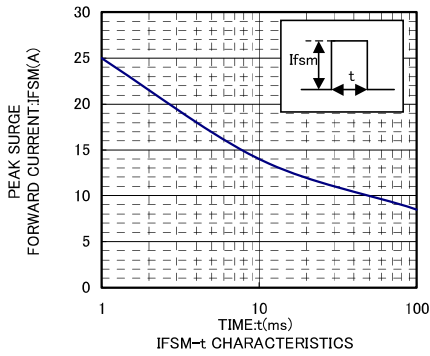


IFSM DISERSION MAP



trr DISPERSION MAP





Ordering information

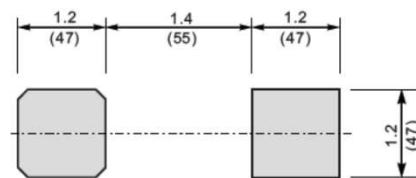
Package	Packing Description	Packing Quantity
SOD-323	Tape/Reel, 7" reel	3000PCS/Reel 120000PCS/Carton

Package Dimensions

SOD-323

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.8	1.1	32	43
C	0.08	0.15	3.1	5.9
D	1.2	1.4	47	55
E	1.4	1.8	63	70
E1	2.55	2.75	100	108
b	0.25	0.4	9.8	16
L1	0.2	0.45	7.9	16
A1	-	0.2	-	8
∠	9°			

The recommended mounting pad size



Unit: $\frac{\text{mm}}{\text{mil}}$

Disclaimer

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