

**SCHOTTKY BARRIER DIODES**

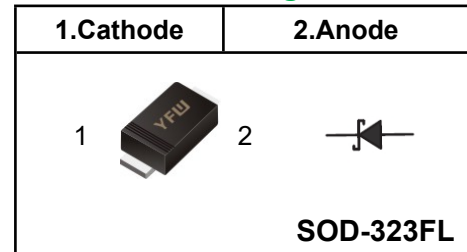
**FEATURES**

- ◆ High reliability
- ◆ Small mold type
- ◆ Super low IR
- ◆ Lead free in comply with EU RoHS 2011/65/EU directives

**MECHANICAL DATA**

- ◆ Case: SOD-323FL
- ◆ Terminals: Solderable per MIL-STD-750, Method 2026
- ◆ Approx. Weight: 4.5mg / 0.00016oz

**Pinning**



**Marking Code**

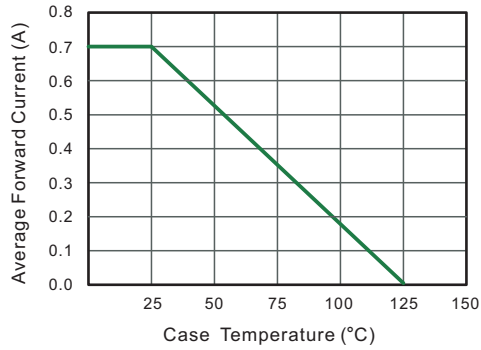
<b>RB578VAM100</b>	<b>4</b>
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**Maximum Ratings And Electrical Characteristics**

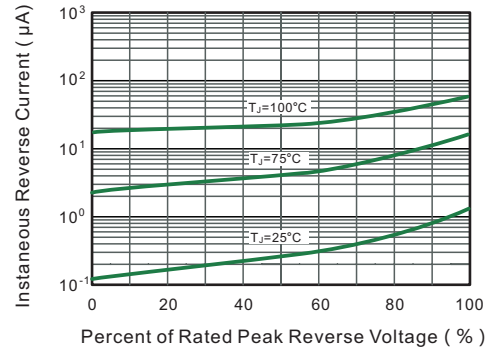
Ratings at 25 ° ambient temperature unless otherwise specified.

Parameter	Symbols	RB578AM100	Units
Peak Repetitive Reverse Voltage	$V_{RRM}$	100	V
DC Reverse Voltage	$V_R$	100	V
Maximum Average Forward Current at Ta=25°C	$I_o$	0.7	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load (JEDEC method)	$I_{FSM}$	25	A
Maximum Instantaneous Forward Voltage	$V_F$	0.85 @ $I_F=0.7A$	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	$I_R$	0.2 @ $V_R=100V$	uA
Storage and Operating Junction Temperature Range	$T_j, T_{stg}$	-55 ~ +125	°C

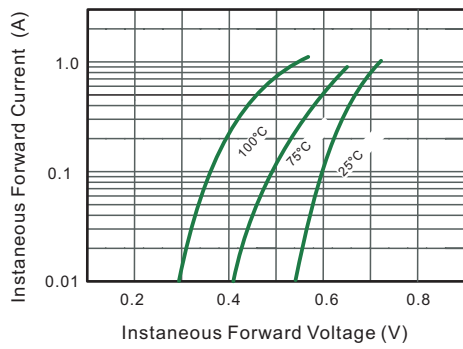
**Fig.1 Forward Current Derating Curve**



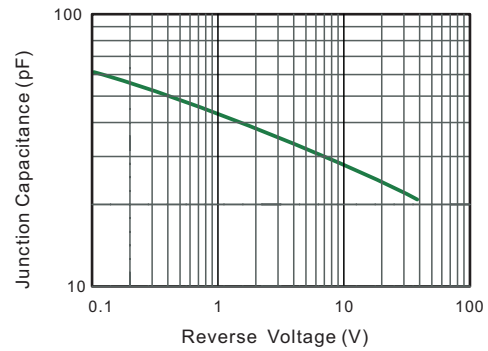
**Fig.2 Typical Reverse Characteristics**



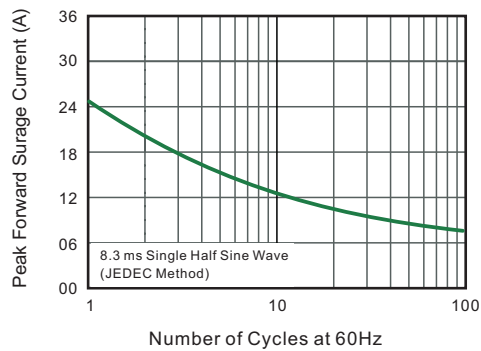
**Fig.3 Typical Forward Characteristic**



**Fig.4 Typical Junction Capacitance**



**Fig.5 Maximum Non-Repetitive Peak Forward Surge Current**



**Ordering information**

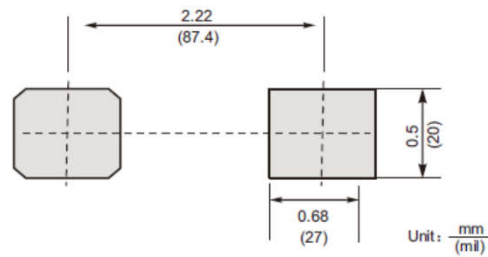
Package	Packing Description	Packing Quantity
SOD-323FL	Tape/Reel,7"reel	3000PCS/Reel 120000PCS/Carton

**Package Dimensions**

**SOD-323FL**

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.70	0.90	28	36
B	0.20	0.40	8	16
C	0.027	0.227	1	9
D	1.15	1.35	45	53
L	0.38	0.58	15	23
E	1.70	1.90	67	75
HE	2.30	2.70	91	67
∠	9°			

**The recommended mounting pad size**



## Disclaimer

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