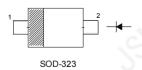


## **Features**

- SOD-323 package
- Fast switching



#### PINNING

PIN	DESCRIPTION			
1	Cathode			
2	Anode			

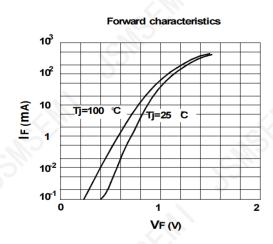
Absolute Maximum Ratings(T<sub>a</sub>=25℃)

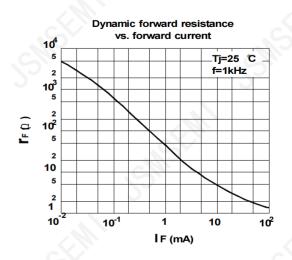
Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	100	V
Reverse Voltage	V <sub>R</sub>	75	V
Average Rectified Forward Current	I <sub>F(AV)</sub>	150	mA
Surge Forward Current (t < 1 s, T <sub>j</sub> = 25°C)	I <sub>FSM</sub>	350	mA
Power Dissipation	P <sub>tot</sub>	200	mW
Thermal Resistance from Junction to Ambient Air	R <sub>θJA</sub>	625	°C/W
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 65 to + 150	°C

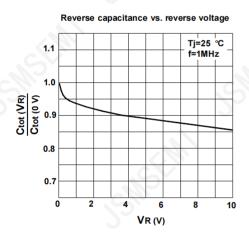
# Characteristics at T= 25°C

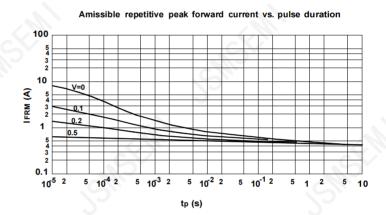
Parameter	5	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I <sub>R</sub> = 1 µA		$V_{(BR)R}$	75	-	V
Forward Voltage at $I_F = 1 \text{ mA}$ at $I_F = 10 \text{ mA}$ at $I_F = 50 \text{ mA}$ at $I_F = 150 \text{ mA}$		V <sub>F</sub>	1511SF	0.715 0.855 1 1.25	V
Peak Reverse Current at $V_R = 75 \text{ V}$ at $V_R = 20 \text{ V}$ at $V_R = 75 \text{ V}$ , $T_J = 150 \text{ °C}$ at $V_R = 25 \text{ V}$ , $T_J = 150 \text{ °C}$		I <sub>R</sub>		1 25 50 30	Αμ Α Αμ Α
Total Capacitance at $V_R = 0 V$ , $f = 1 MHz$	2	Ст	-	2	pF
Reverse Recovery Time at $I_{rr}$ = 0.1 X $I_R$ , $I_F$ = $I_R$ = 10 mA, $R_L$ = 100 $\Omega$		t <sub>rr</sub>	-	4	ns











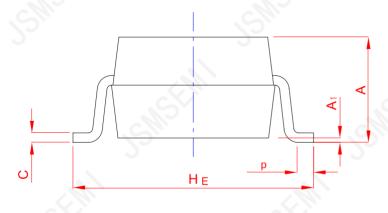


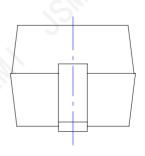
PACKAGE OUTLINE

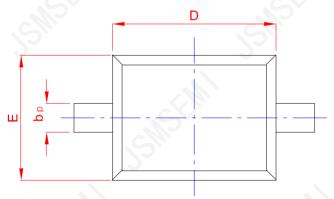
Plastic surface mounted package; 2 leads



SOD-323







UNIT	A	bp	С	D	E	HE	<b>A</b> 1	Lp
mm	1.20 0.90		0.15 0.10		1.35 1.15		0.10 0.01	0.50 0.20



### **Revision History**

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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