

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

Parameter	Symbol	Value	Unit
Reverse Voltage	V <sub>R</sub>	10	V
Average Forward Rectified Current	I <sub>F(AV)</sub>	2.0	Α
Non-Repetitive Peak Forward Surge Current (t = 8.3 ms)	I <sub>FSM</sub>	9	Α
Power Dissipation	P <sub>tot</sub>	450	mW
Operating Temperature Range	Tj	- 55 to + 125	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 125	°C

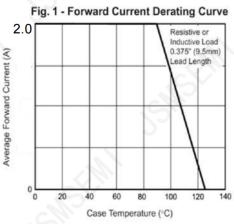
Characteristics at Ta = 25 °C

	Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdow at I <sub>R</sub> = 1 mA	n Voltage	V <sub>(BR)R</sub>	10	-	V
Forward Voltage at I <sub>F</sub> = 1 A	- MIS	CN/2		ď	No.
at I <sub>F</sub> = 3 A		V <sub>F</sub>	-	0.6 0.9	٧
Reverse Voltage Le at V <sub>R</sub> = 40 V	eakage Current	I <sub>R</sub>	25/11/2	1	mA
Total Capacitance at V <sub>R</sub> = 4 V, f = 1 M	ЛНz	C <sub>tot</sub>	-	120	pF

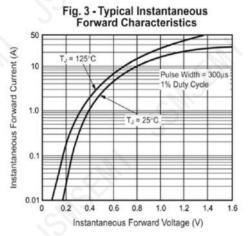
Fig. 2 - Maximum Non-Repetitive Peak

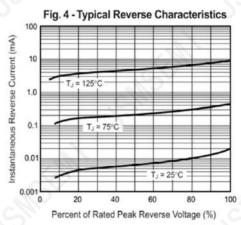
Forward Surge Current

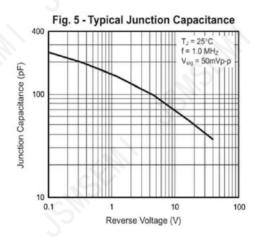


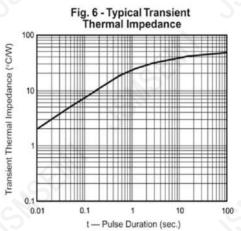


00 120 140 10 Number of Cycles at 60 Hz





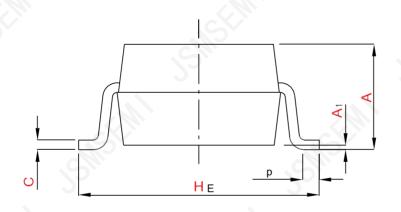


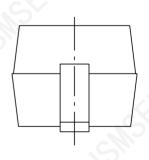


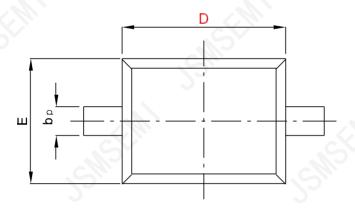


## PACKAGE OUTLINE Plastic surface mounted package; 2 leads

SOD 323







UNIT	Α	bр	С	D	E	HE	A <sub>1</sub>	Lp
mm	1.20 0.90	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30	0.10 0.01	0.50 0.20





## **Revision History**

Rev.	Change	Date
V1.0	Initial version	2/23/2024
-11		

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