

SILICON BRIDGE RECTIFIERS

S08JS

FEATURES

- Ultra Low leakage current $I_R < 2\mu A$, $T_A = 125^\circ C$
- No solder used, Real fully in line with lead free
- High temperature soldering guaranteed: $260^\circ C/10s$ (Reflow)

HF

1 CATHODE 2 ANODE



SOD-323

APPLICATION

- CFL rectify circuit

ORDERING INFORMATION

Type No.	Marking	Package Code
S08JS	S03M	SOD-323

MAXIMUM RATING (operating temperature range applies unless otherwise specified)

Symbol	Parameter	Value	Unit
V_{RRM}	Repetitive Peak Reverse Voltage	600	V
V_{RMS}	RMS Voltage	420	V
V_{DC}	DC Blocking Voltage	600	V
$I_{F(AV)}$	Average Forward Rectified Current@ $T_A = 25^\circ C$	0.8	A
I_{max}	Max continuous Forward Rectified Current@ $T_A = 25^\circ C$	3	A
I_{FSM}	Peak Forward Surge Current 8.3ms Single Half Sine-wave	12	A
P_d	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance	200	$^\circ C/W$
T_j T_{stg}	Operating Junction and Storage Temperature Range	-55 to +150	$^\circ C$

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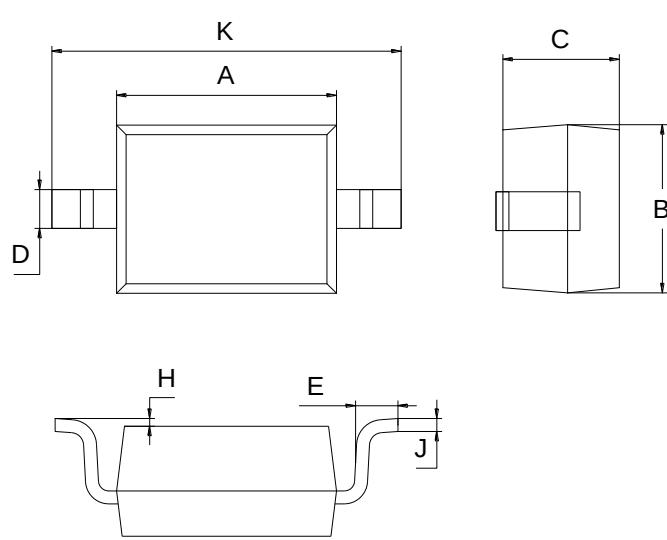
ELECTRICAL CHARACTERISTICS @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Symbol	Parameter	Test conditions	Value	Unit
I_R	Reverse Current	$V_{RM}=V_{RRM}, T_A=25^{\circ}\text{C}$	0.5	μA
		$V_{RM}=V_{RRM}, T_A=125^{\circ}\text{C}$	2.0	
V_F	Forward Voltage	$I_F=0.4\text{A}, T_A=25^{\circ}\text{C}$	1.0	V

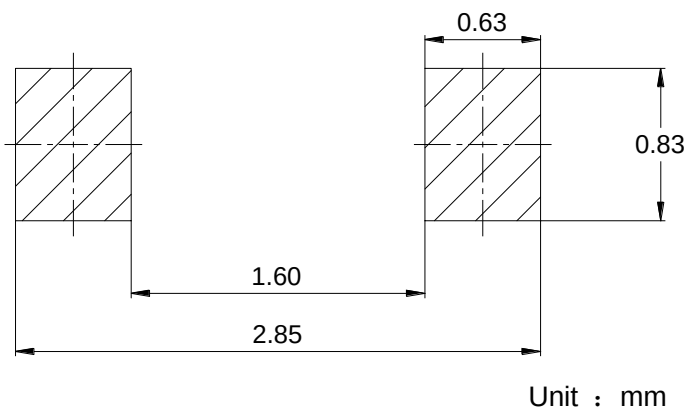
PACKAGE OUTLINE

Plastic surface mounted package

SOD-323

			SOD-323		
Dim	Min	Max	Dim	Min	Max
A	1.60	1.80	B	1.20	1.40
B	1.20	1.40	C	0.80	0.90
C	0.80	0.90	D	0.25	0.35
D	0.25	0.35	E	0.22	0.42
E	0.22	0.42	H	0.02	0.10
H	0.02	0.10	J	0.05	0.15
J	0.05	0.15	K	2.55	2.75
K	2.55	2.75	All Dimensions in mm		

SOLDERING FOOTPRINT



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S08JS**PACKAGE INFORMATION**

Device	Package	Shipping
S08JS	SOD-323	3000pcs / Tape & Reel