



JSPD50230A

0.2A Schottky Barrier Rectifier

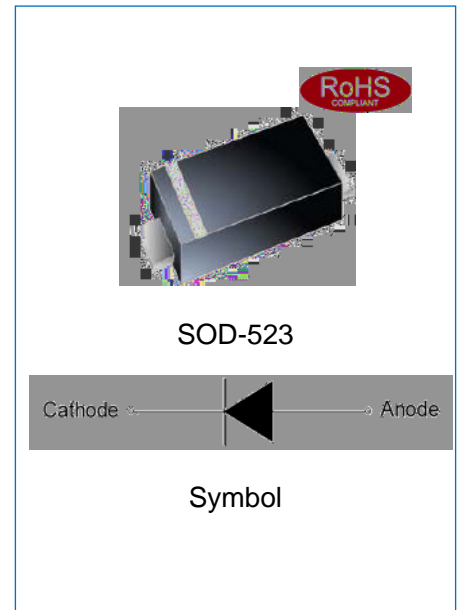
Rev.1.8

DESCRIPTION

- ✧ Plastic package has underwriters laboratories flammability classification 94V-0
- ✧ For surface mounted applications in order to optimize board space
- ✧ Lead free in compliance with EU RoHS 2011/65/EU directive
- ✧ Ultra low forward voltage drop
- ✧ Low power losses, high efficiency operation
- ✧ High current capability and surge capability
- ✧ Low thermal resistance package

MECHANICAL DATA

- ✧ Case: SOD-523 molded plastic
- ✧ Terminals: Solder plated, solderable per J-STD-002
- ✧ Polarity: Color band denotes cathode end



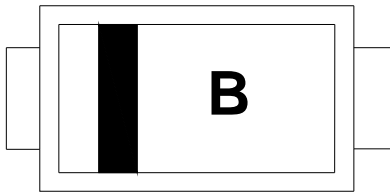
ABSOLUTE MAXIMUM RATING (Rating at 25 °C ambient temperature unless otherwise specified.)

Parameter	Symbol	Value	Unit
Storage temperature range	T_{stg}	-55 to +150	°C

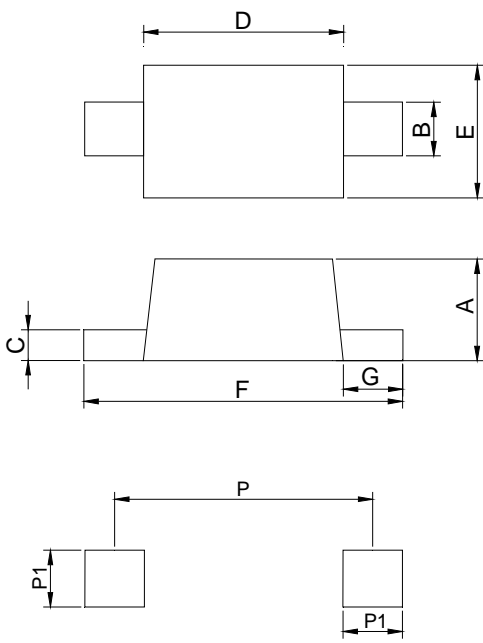
Parameter	Test Condition	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F=0.2A$	V_F			0.6	V
Reverse leakage current	$V_R=10V$	I_R			1	μA



MARKING



W < ' D , E / > d

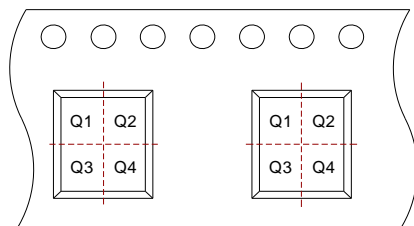
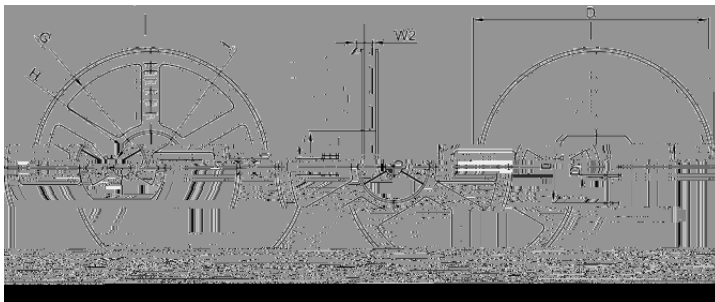
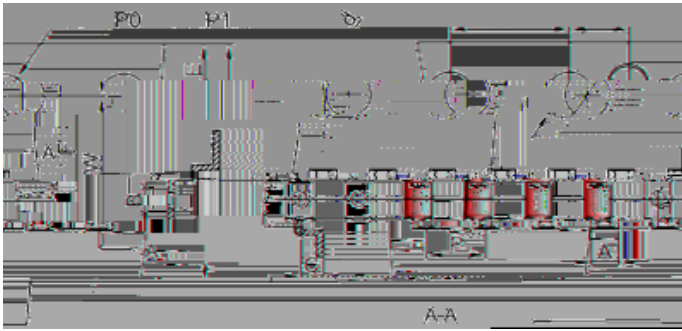


Land Pattern

Symbol	Millimeters			Inches		
	Min	Typ	Max	Min	Typ	Max
A	0.50	0.61	0.77	0.020	0.024	0.030
B	0.25	0.30	0.40	0.010	0.012	0.016
C	0.07	0.13	0.20	0.003	0.005	0.008
D	1.10	1.20	1.30	0.043	0.047	0.051
E	0.70	0.80	0.90	0.028	0.031	0.035
F	1.50	1.60	1.70	0.059	0.063	0.067
G	0.15	0.20	0.25	0.006	0.008	0.010
P1	0.60			0.024		
P	1.42			0.056		



d W E Z > ^ W / & / d / K E r ^ K r æ î ï



➔
User direction of feed

Pin 1 quadrant: Q1&Q2

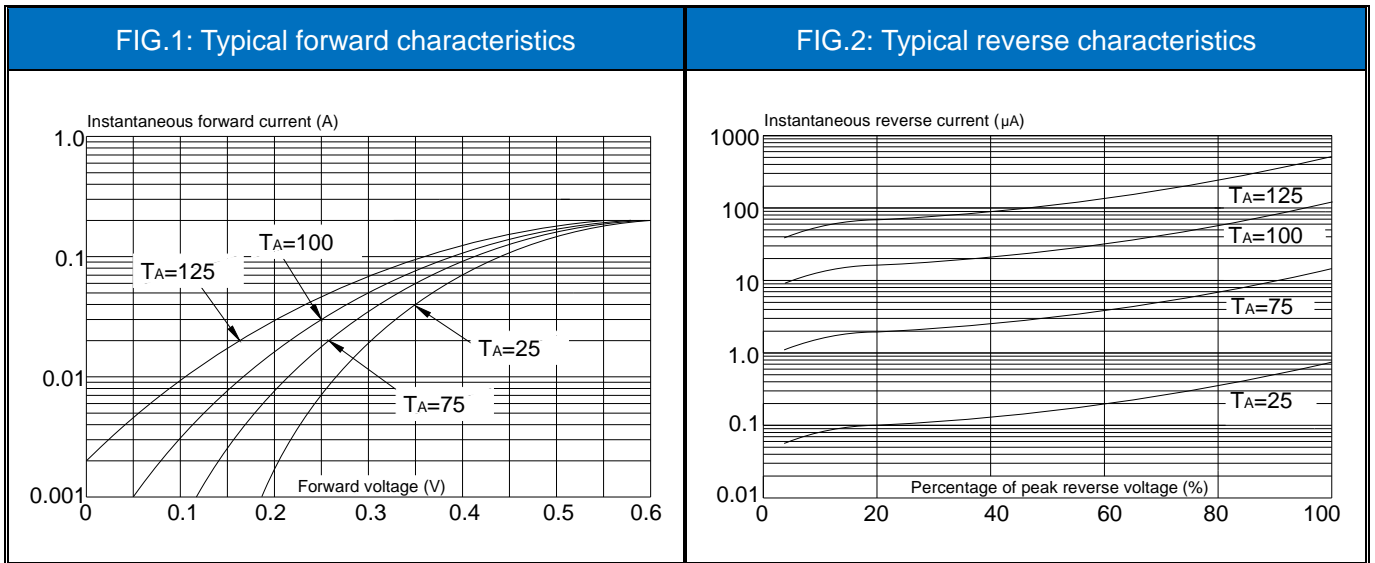
Symbol	Millimeters	Inches
	Typ.	Typ.
A	0.95	0.037
B	1.92	0.076
C	0.73	0.029
d	1.50	0.059
E	1.75	0.069
F	3.50	0.138
P0	4.00	0.157
P	2.00	0.079
P1	2.00	0.079
W	8.00	0.315

K Z Z / E ' / E & K Z D d / K E

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JSPD50230A	SOD-523	8,000	7 inch reel pack



CHARACTERISTICS CURVE



JieJie products are not designed for, and shall not be used for, any purpose (including, without limitation, automotive, military, aerospace, medical, life-sa T