

RB521S-40

Silicon Epitaxial Planar Schottky Barrier Diode

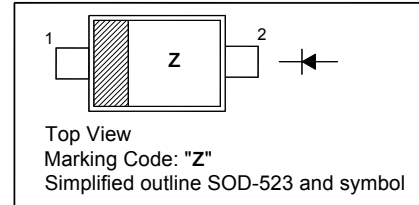
for rectifying small power applications

Features

- Ultra small mold type
- Low forward voltage
- High reliability

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

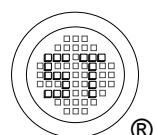


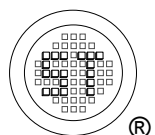
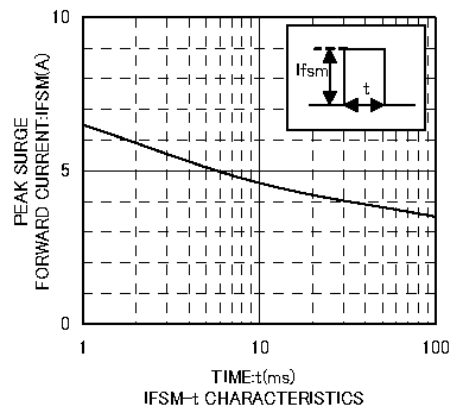
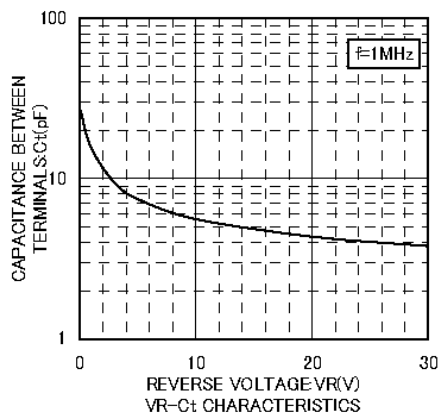
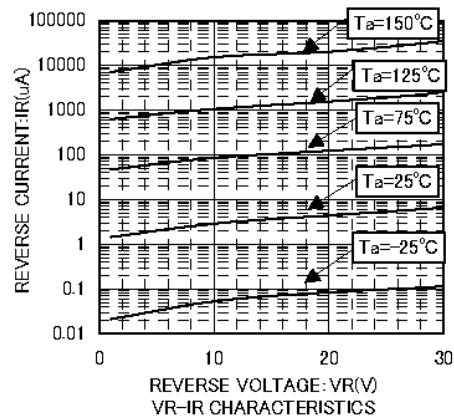
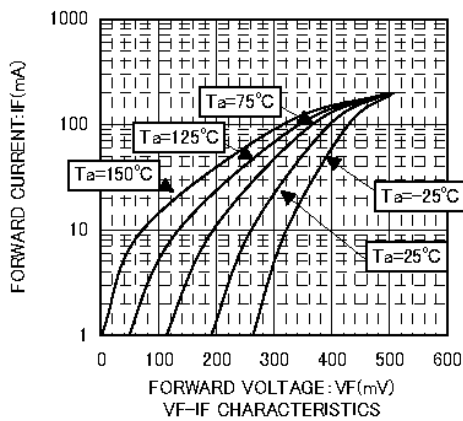
Absolute Maximum Ratings ($T_a = 25\text{ }^{\circ}\text{C}$)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	45	V
Reverse Voltage	V_R	40	V
Average Forward Rectifying Current	$I_{F(AV)}$	200	mA
Peak Forward Surge Current (60Hz for Cyc.)	I_{FSM}	1	A
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^{\circ}\text{C}$

Characteristics at $T_a = 25\text{ }^{\circ}\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 10\text{ mA}$ at $I_F = 100\text{ mA}$ at $I_F = 200\text{ mA}$	V_F	0.16 0.31 0.41	0.3 0.45 0.54	V
Reverse Current at $V_R = 10\text{ V}$ at $V_R = 40\text{ V}$	I_R	- -	20 90	μA

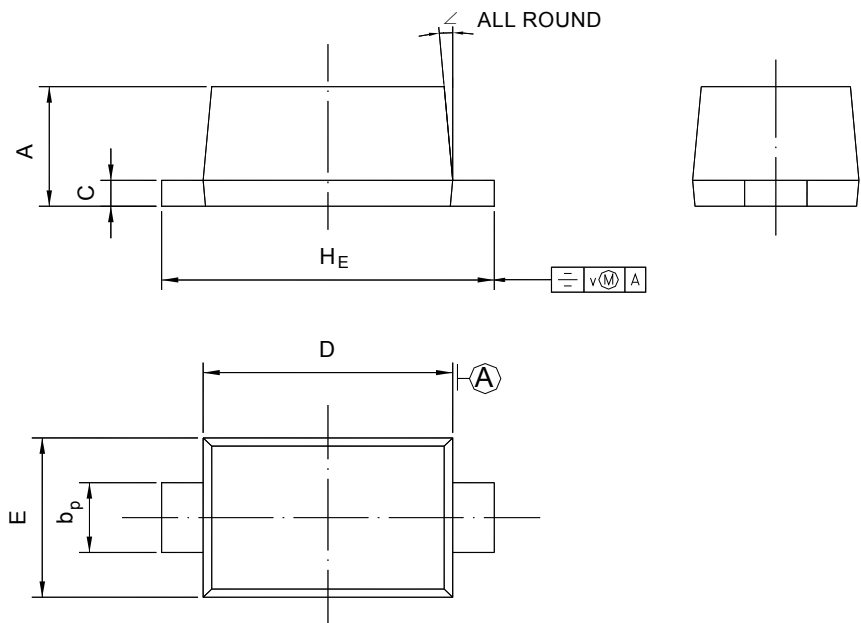




PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



UNIT	A	b_p	C	D	E	H_E	V	$\angle$
mm	0.70 0.60	0.4 0.3	0.135 0.100	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°

