

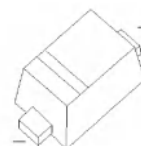


1SS388 SCHOTTKY BARRIER DIODE



FEATURES

- Small package
- Low forward voltage
- Low reverse current



MARKING: S3

SOD-523

Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25℃

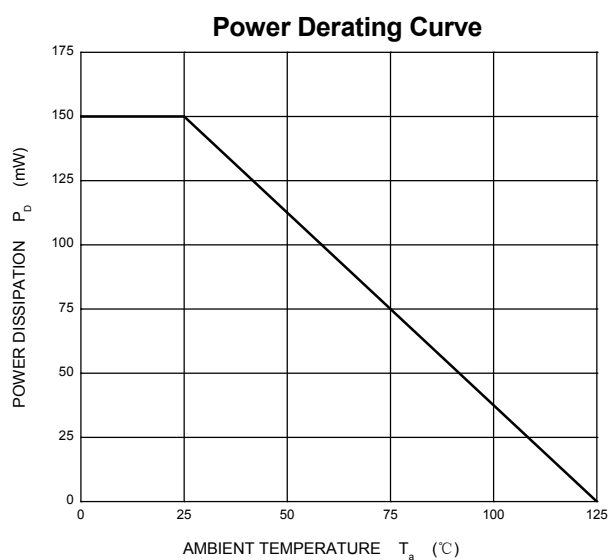
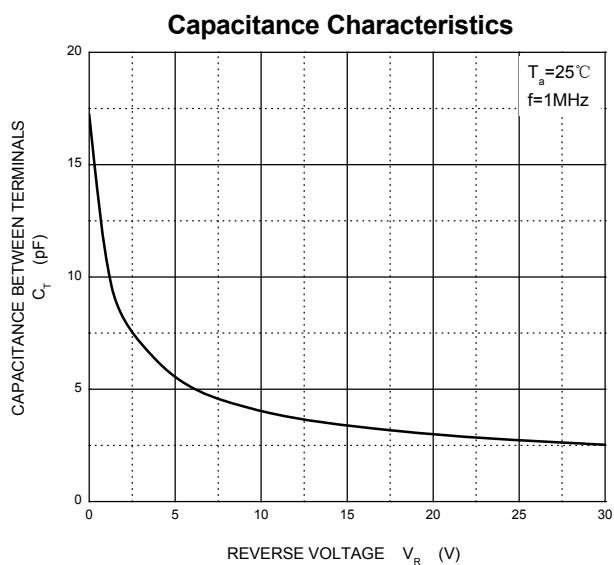
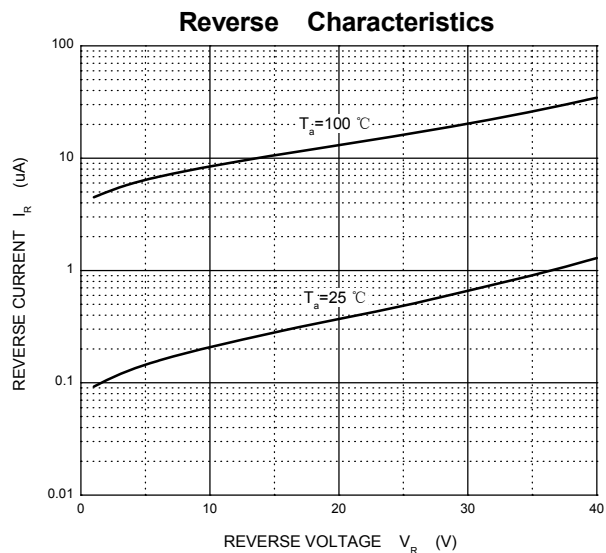
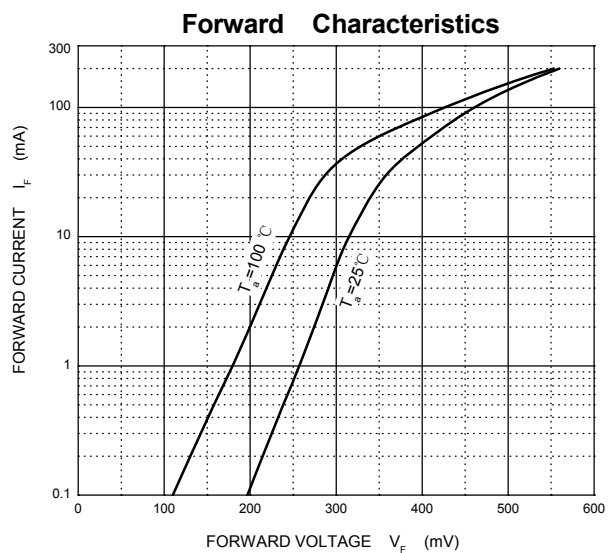
Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Maximum (peak) forward current	I_{FM}	300	mA
Average forward current	I_O	100	mA
Non-repetitive Peak Forward Surge Current@t=8.3ms	I_{FSM}	1000	mA
Power dissipation	P_D	150	mW
Operating Junction Temperature Range	T_j	-40 ~ +125	℃
Storage Temperature Range	T_{stg}	-55 ~ +150	℃

Electrical Ratings @Ta=25℃

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_{F1}		0.28		V	$I_F=1mA$
	V_{F2}		0.36		V	$I_F=10mA$
	V_{F3}		0.54	0.60	V	$I_F=50mA$
Reverse current	I_R			5	μA	$V_R=10V$
Total capacitance	C_T		18	25	pF	$V_R=0, f=1MHz$



Typical Characteristics

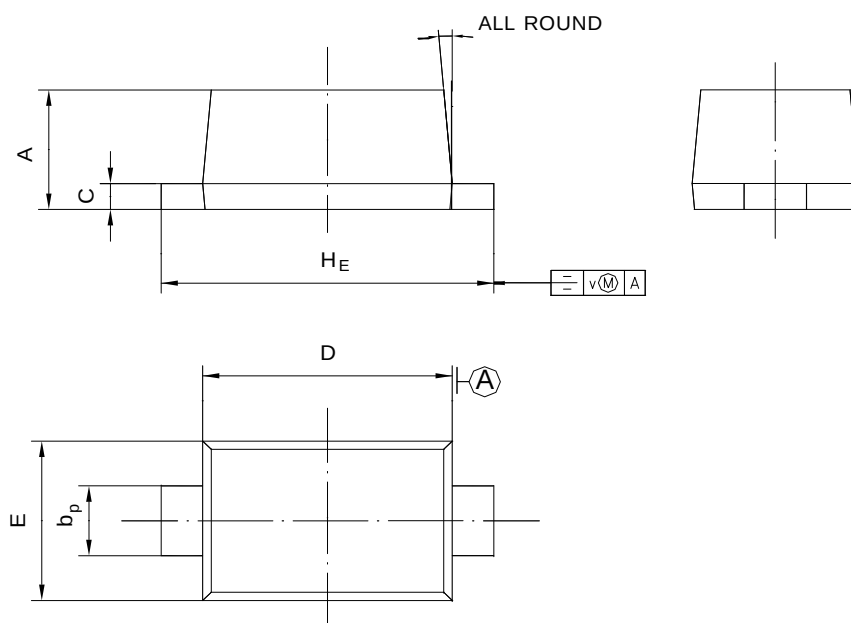




PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



UNIT	A	b _p	C	D	E	H _E	V	∠
mm	0.68 0.58	0.4 0.3	0.135 0.100	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°