

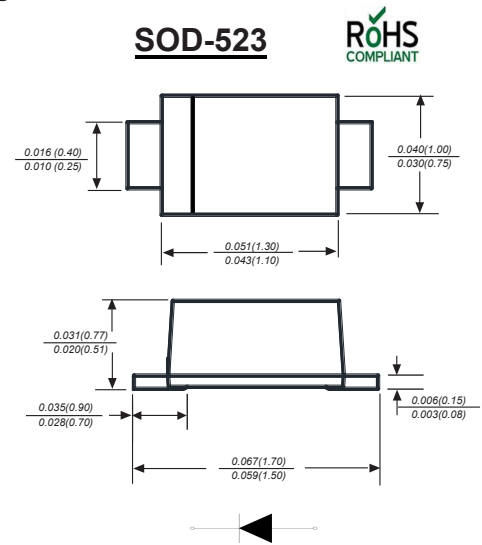
Schottky Barrier Diode

Features

- ◆ Small package
- ◆ Low forward voltage
- ◆ Low reverse current

Mechanical Data

- ◆ Case : JEDEC SOD-523 molded plastic body
- ◆ Mounting Position : Any
- ◆ Marking : S3 (The marking bar indicates the cathode)



Dimensions in inches and (millimeters)

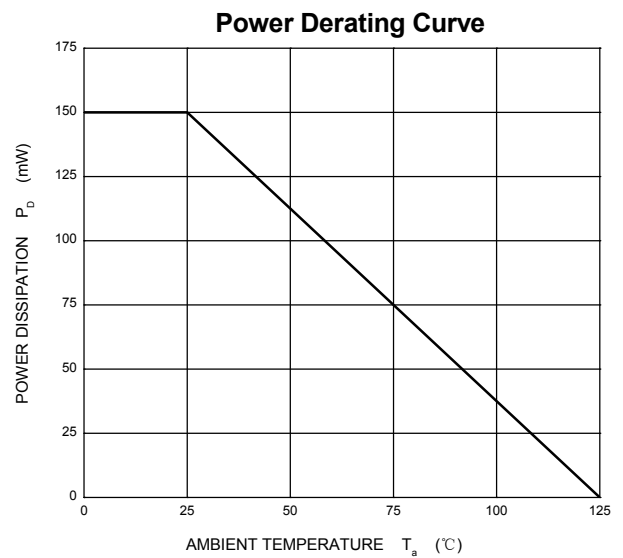
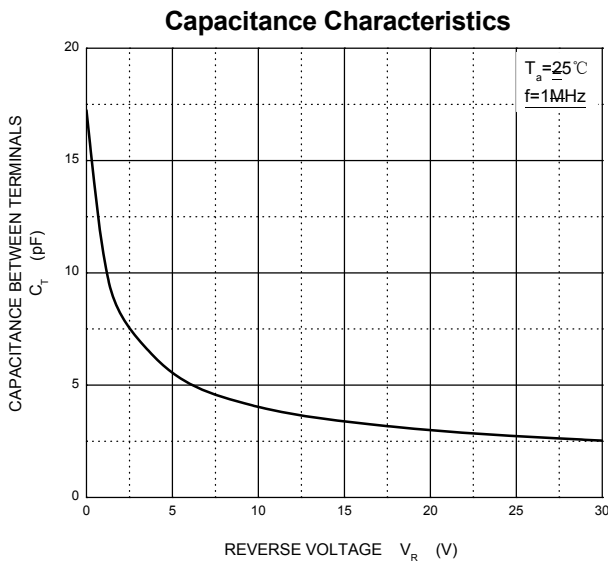
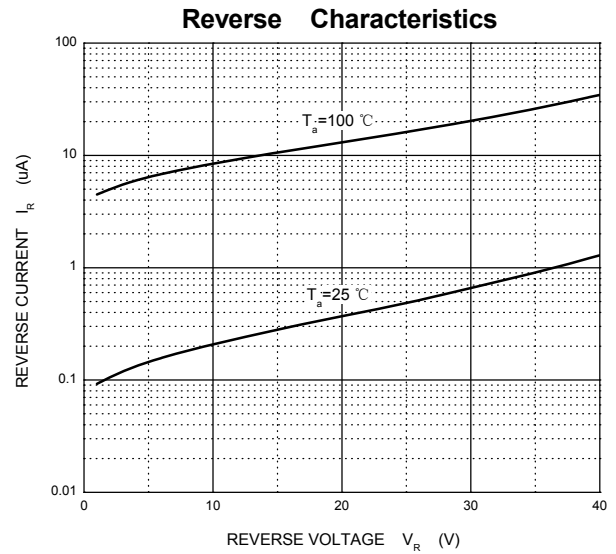
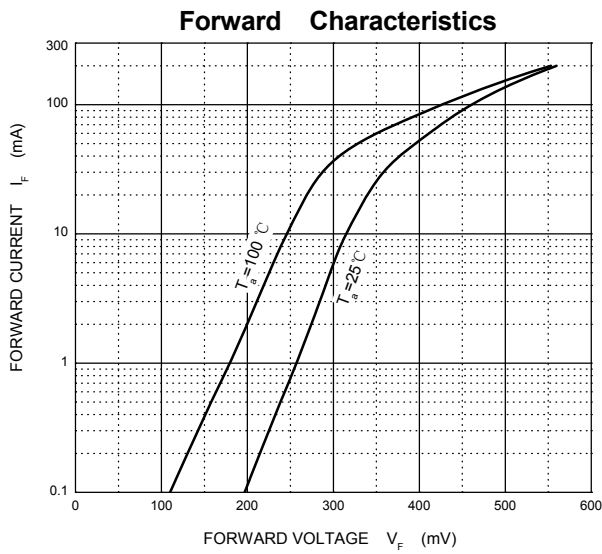
Absolute Maximum Ratings at 25 °C

PARAMETER	SYMBOLS	1SS388	UNITS
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Mean rectifying current	I_o	0.1	A
Peak forward surge current	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{STG}	-55 to +150	°C

Characteristics at $T_a = 25\text{ °C}$

PARAMETER	SYMBOLS	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F		0.28		V	$I_F = 1\text{mA}$
			0.36		V	$I_F = 10\text{mA}$
				0.6	V	$I_F = 100\text{mA}$
Reverse current	I_R			5	uA	$V_R = 40\text{V}$
Capacitance between terminals	C_T			25	pF	$V_R = 0, f = 1.0\text{MHz}$

Typical Characteristics



The curve above is for reference only.

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