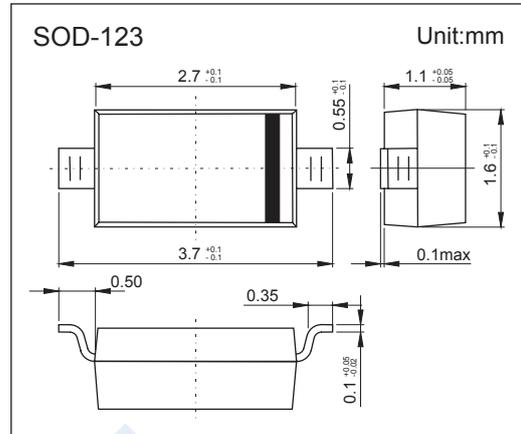
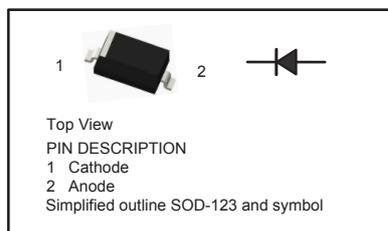


## Schottky Diodes

### SS1020 ~ SS10100

#### ■ Features

- Fast switching speed
- Low power loss, high efficiency
- Surface mount package ideally suited for automatic insertion



#### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	SS1020	SS1030	SS1040	SS1060	SS10100	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$						V
Reverse Breakdown Voltage @ $I_R = 500\mu\text{A}$	$V_{BR}$	20	30	40	60	100	
Reverse Voltage	$V_R$						
Forward Voltage $T_a = 65^\circ\text{C}$	$V_F$	0.55			0.7	0.85	
Averaged Forward Current $T_a = 75^\circ\text{C}$	$I_{FAV}$	1					A
Peak Forward Surge Current @ $t = 8.3\text{ms}$	$I_{FSM}$	30					
Reverse Voltage Leakage Current	$I_R$	500					$\mu\text{A}$
Typical Junction Capacitance	$C_j$	60			50	40	pF
Junction Temperature	$T_j$	125					$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to 125					

#### ■ Marking

NO.	SS1020	SS1030	SS1040	SS1060	SS10100
Marking	G2	G3	G4	G6	G10

## Schottky Diodes SS1020 ~ SS10100

■ Typical Characteristics

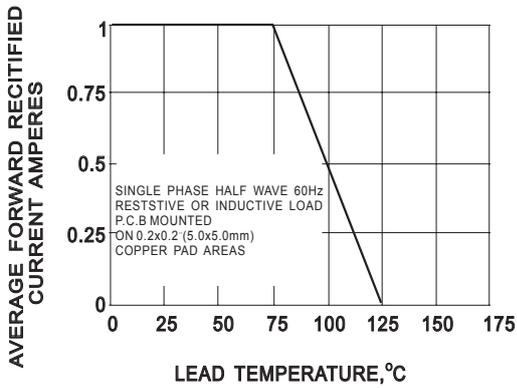


FIG. 1-FORWARD CURRENT DERATING CURVE

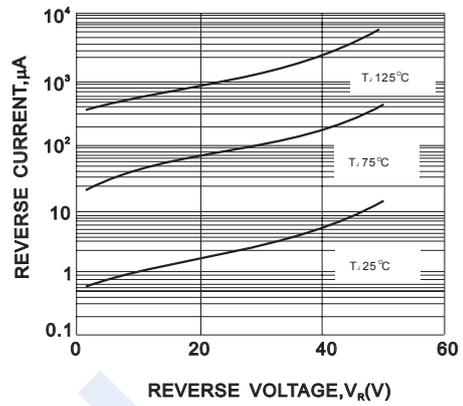


FIG. 2-TYPICAL REVERSE CHARACTERISTIC

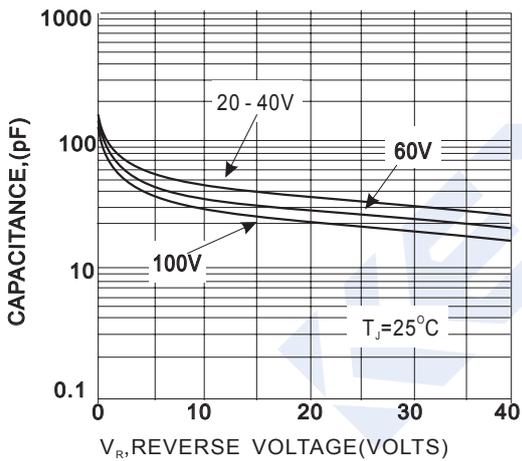


FIG. 3-TYPICAL JUNCTION CHARACTERISTIC

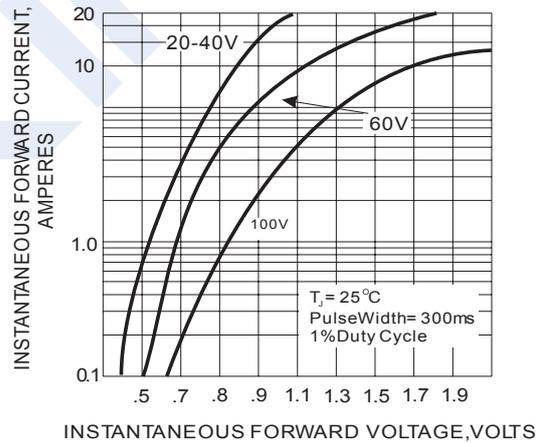


FIG. 4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS