

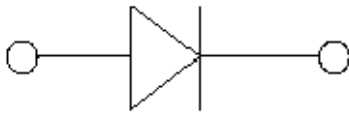


## Small Signal Schottky Diode



## Features

- $V_R$  60V/50V/40V
- $I_{FM}$  15mA



## Mechanical Data

- **Package:** SOD123
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end

	Marking
SD101AW	S1
SD101BW	S2
SD101CW	S3

**Maximum Ratings** ( $T_a=25^\circ\text{C}$  Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE	
Reverse voltage	$V_R$	V	$I_R=10\mu\text{A}$	SD101AW	60
				SD101BW	50
				SD101CW	40
Forward continuous current	$I_{FM}$	mA	$T_a=25^\circ\text{C}$	15	
Power dissipation	$P_D$	mW		400	
Maximum junction temperature	$T_j$	$^\circ\text{C}$		125	
Storage temperature range	$T_{stg}$	$^\circ\text{C}$		-55 to +150	
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	$^\circ\text{C/W}$		250	

**Electrical Characteristics** ( $T_a=25^\circ\text{C}$  Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE	
Maximum Forward voltage	$V_F$	V	$I_F=1\text{mA}, T_A=25^\circ\text{C}$	0.41	
	$V_F$	V	$I_F=15\text{mA}, T_A=25^\circ\text{C}$	1.0	
Maximum Reverse current	$I_R$	$\mu\text{A}$	SD101AW	$V_R=50\text{V}, T_A=25^\circ\text{C}$	0.2
			SD101BW	$V_R=40\text{V}, T_A=25^\circ\text{C}$	
			SD101CW	$V_R=30\text{V}, T_A=25^\circ\text{C}$	
Minimum Breakdown voltage	$V_{(BR)}$	V	$I_R=10\mu\text{A}$	SD101AW	60
				SD101BW	50
				SD101CW	40
Maximum Junction capacitance	$C_J$	pF	$V_R=1\text{V}, f=1\text{MHz}$	2	

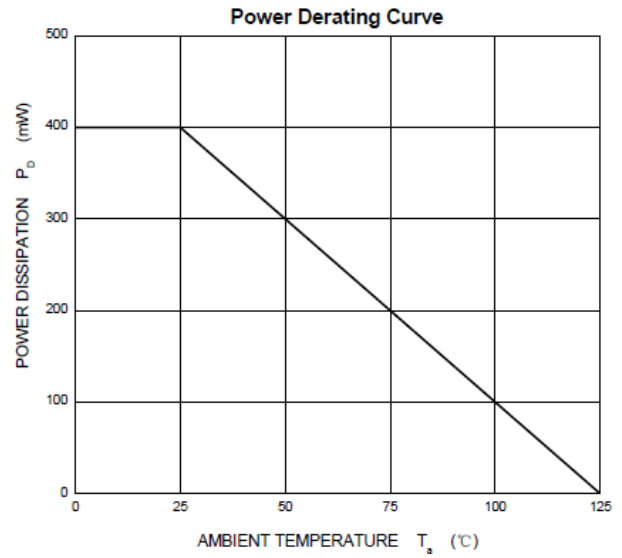
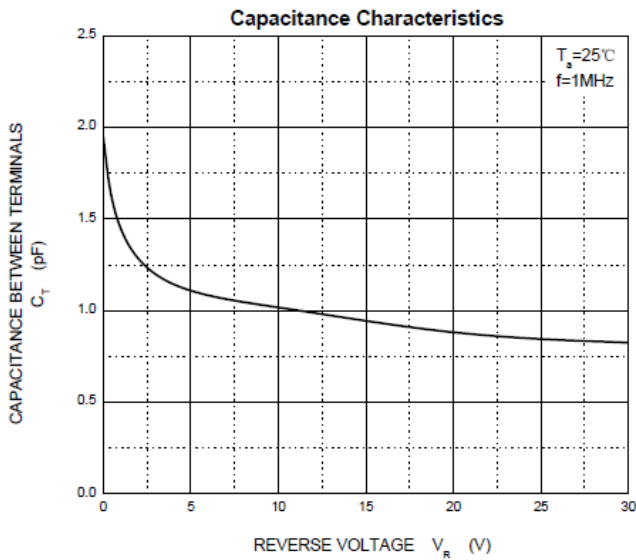
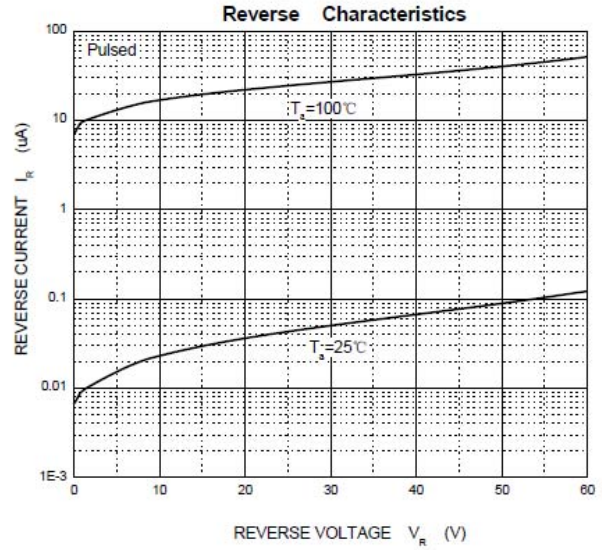
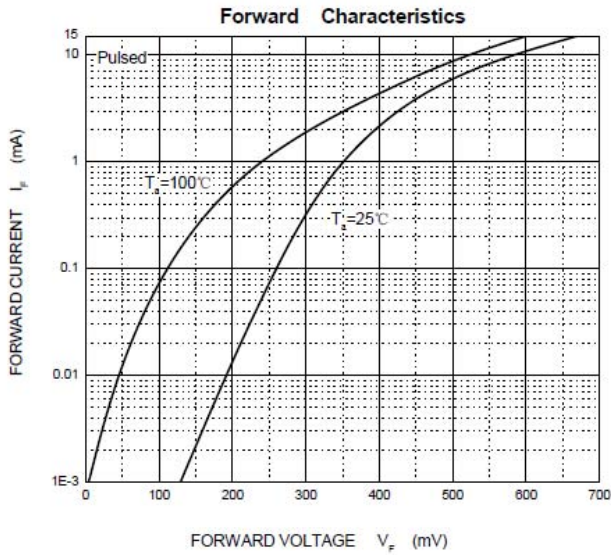


# SD101AW Thru SD101CW

## Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SD101AW Thru SD101CW	F2	Approximate 0.009	3000	30000	120000	7" reel

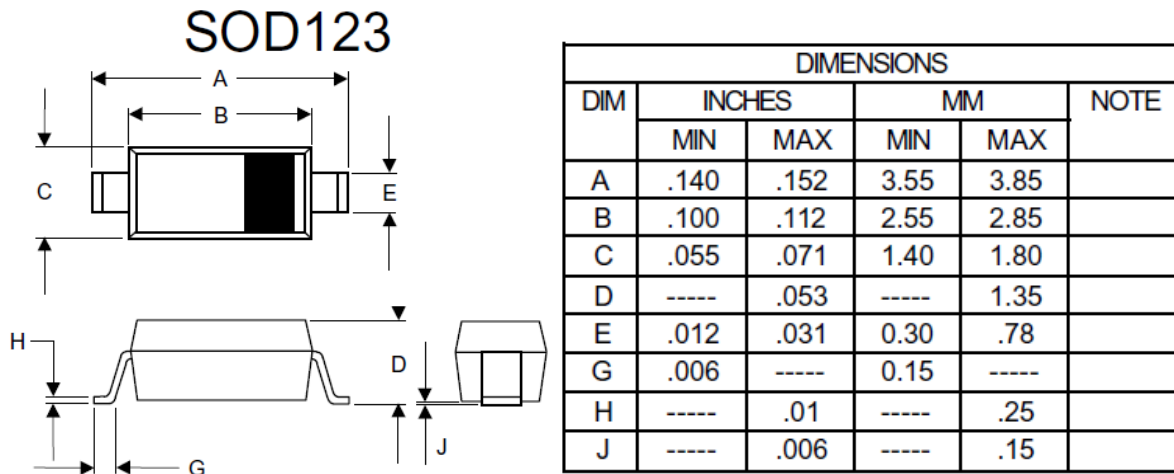
## Characteristics (Typical)



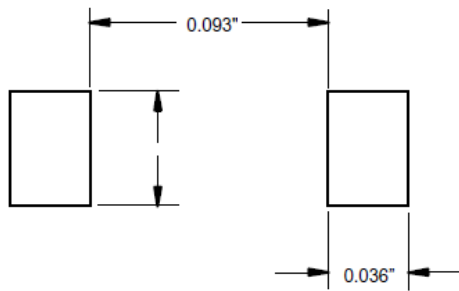


# SD101AW Thru SD101CW

## ■ Outline Dimensions



## ■ Soldering Footprint





## SD101AW Thru SD101CW

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