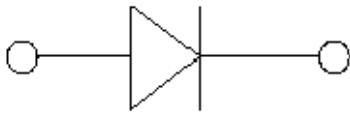




Small Signal Schottky Diode



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 (Ta=25°C Unless otherwise specified)

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

■ Electrical Characteristics (Ta=25°C Unless otherwise specified)

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

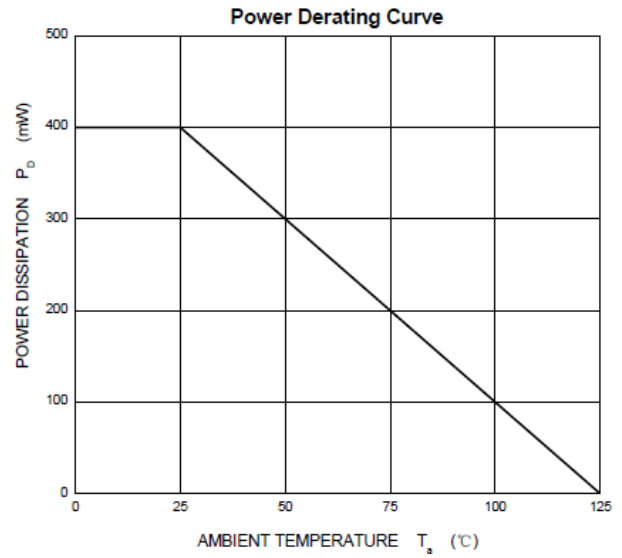
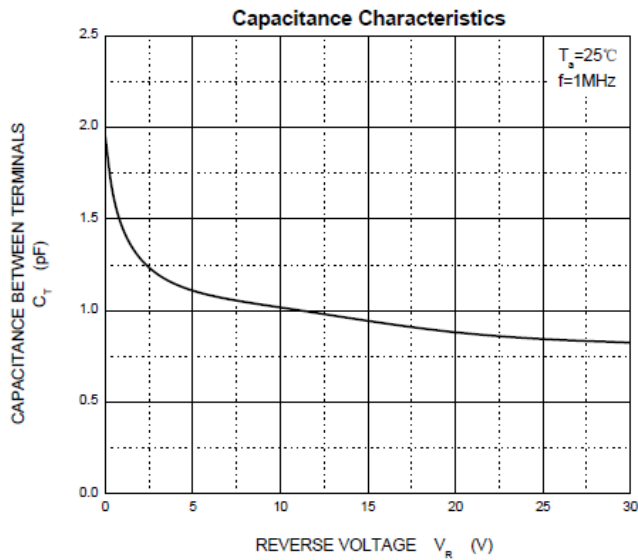
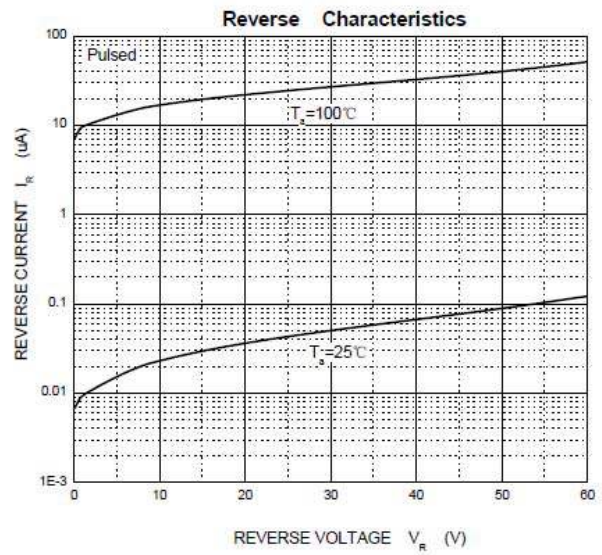
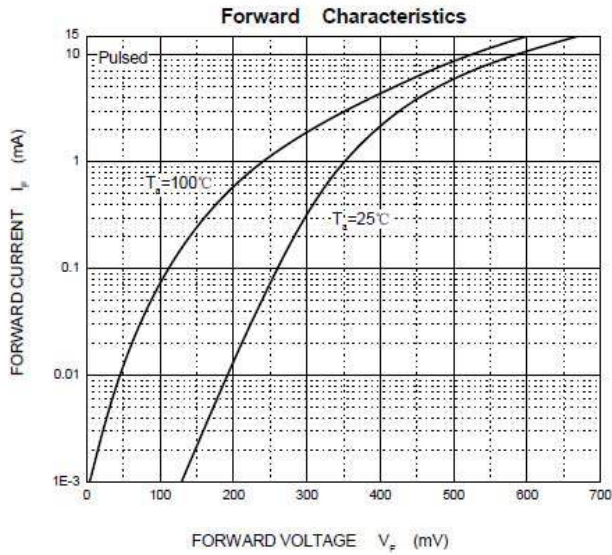


SD101AW Thru SD101CW

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 0.011	3000	30000	120000	7" reel

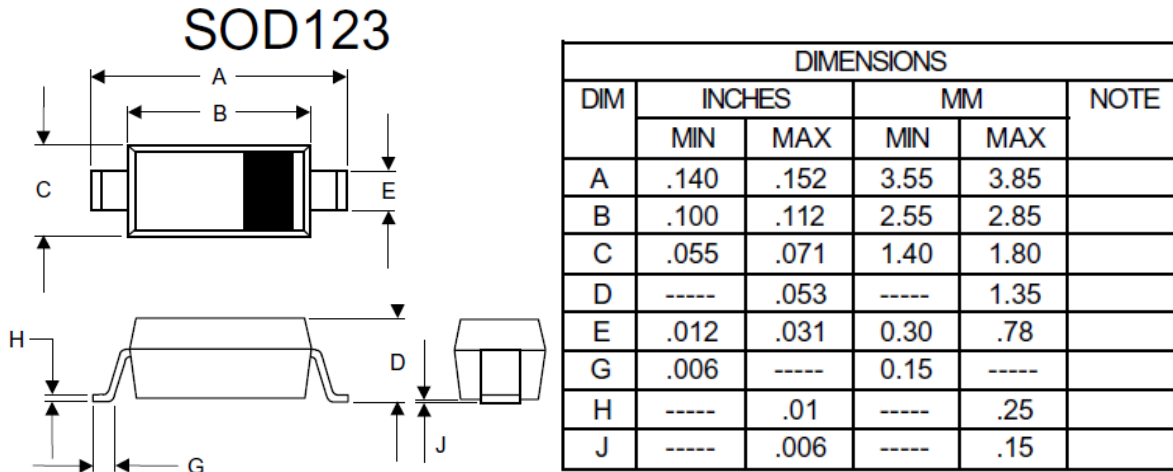
Characteristics (Typical)



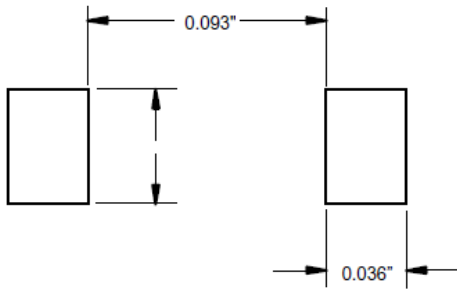


SD101AW Thru SD101CW

■ Outline Dimensions



■ Soldering Footprint





SD101AW Thru SD101CW

Disclaimer

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