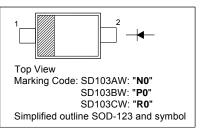
SURFACE MOUNT SCHOTTKY BARRIER DIODE

Features

Low Forward Voltage

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Absolute Maximum Ratings (T_a = 25 °C)

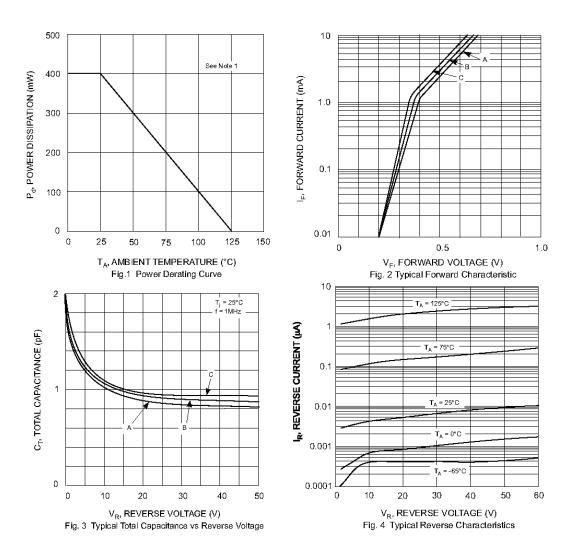
Parameter		Symbol	Value	Unit	
Peak Repetitive Reverse Voltage	SD103AW		40	V	
	SD103BW	V_{RRM}	30		
	SD103CW		20		
Average Forward Rectified Current		I _{F(AV)}	350	mA	
Non-Repetitive Peak Forward Surge Current at t ≤ 1 s		I _{FSM}	2	А	
Power Dissipation		P _{tot}	400	mW	
Operating and Storage Temperature Range		T_j,T_s	- 65 to + 125	°C	

Characteristics at T_a = 25 °C

Parameter		Symbol	Min.	Тур.	Max.	Unit
Reverse Breakdown Voltage						
at I _R = 10 μA	SD103AW	\/	40	-	-	V
	SD103BW	$V_{(BR)R}$	30	-	-	V
	SD103CW		20	-	-	
Reverse Leakage Current						
at V _R = 30 V	SD103AW		-	-	5	
at $V_R = 20 \text{ V}$	SD103BW	I _R	-	-	5	μA
at $V_R = 10 \text{ V}$	SD103CW		-	-	5	
Forward Voltage						
at I _F = 20 mA		V_{F}	-	-	0.37	V
at I _F = 200 mA			-	-	0.6	
Total Capacitance				50		ъГ
at $V_R = 0 V$, $f = 1 MHz$		Ст	-	50	-	pF
Reverse Recovery Time at I _F = I _R = 50 mA to 200 mA , Recover to	0.1 I _R	t _{rr}	-	10	-	ns











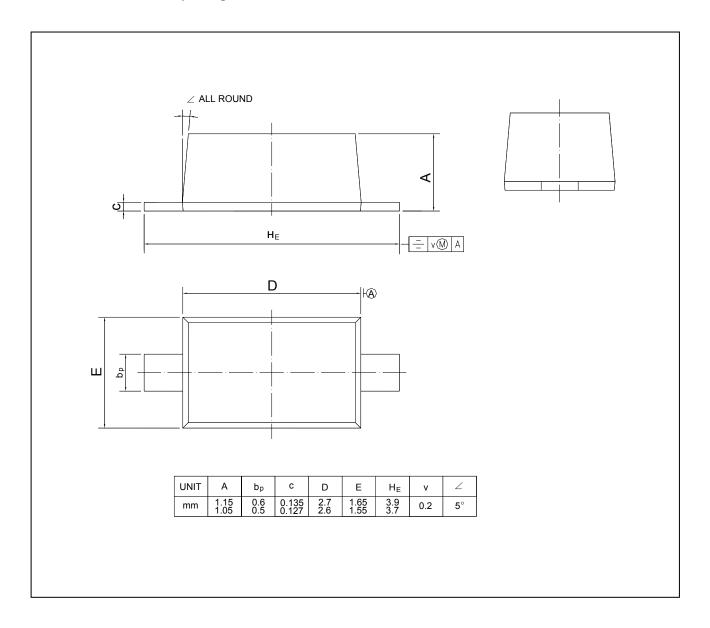




PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123











Dated: 17/11/2006