

**FUKUCOM COMPANY LTD.****福 靈 有 限 公 司**FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.

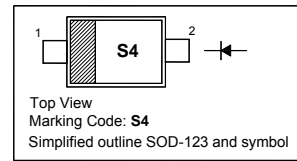
TEL: 852-2790 0314 FAX: 852-2790 0206

SD103AW...SD103CW**Surface Mount Schottky Barrier Diodes****Features**

- Low Forward Voltage

PINNING

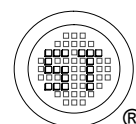
PIN	DESCRIPTION
1	Cathode
2	Anode

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

Parameter		Symbol	Value	Unit
Peak Repetitive Reverse Voltage	SD103AW SD103BW SD103CW	V_{RRM}	40 30 20	V
Reverse Voltage	SD103AW SD103BW SD103CW	V_R	40 30 20	V
Average Forward Rectified Current		$I_{F(AV)}$	350	mA
Non-Repetitive Peak Forward Surge Current at $t = 1\text{ s}$		I_{FSM}	2	A
Power Dissipation		P_{tot}	400	mW
Operating and Storage Temperature Range		T_j, T_{stg}	- 65 to + 125	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter		Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 10\text{ }\mu\text{A}$	SD103AW SD103BW SD103CW	$V_{(BR)R}$	40 30 20	- - -	- - -	V
Reverse Leakage Current at $V_R = 30\text{ V}$ at $V_R = 20\text{ V}$ at $V_R = 10\text{ V}$	SD103AW SD103BW SD103CW	I_R	- - -	- - -	5 5 5	μA
Forward Voltage at $I_F = 20\text{ mA}$ at $I_F = 200\text{ mA}$		V_F	- -	- -	0.37 0.6	V
Total Capacitance at $V_R = 0\text{ V}$, $f = 1\text{ MHz}$		C_T	-	50	-	pF
Reverse Recovery Time at $I_F = I_R = 200\text{ mA}$, $I_{rr} = 0.1 I_R$, $R_L = 100\text{ }\Omega$		t_{rr}	-	10	-	ns



Dated : 04/11/2009



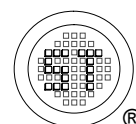
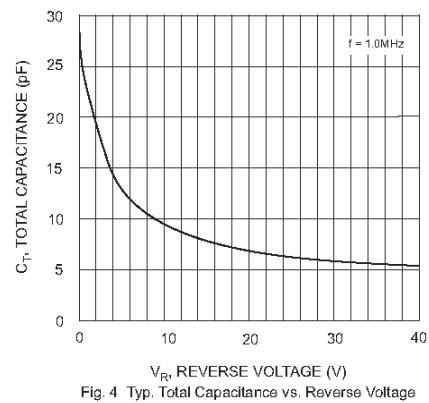
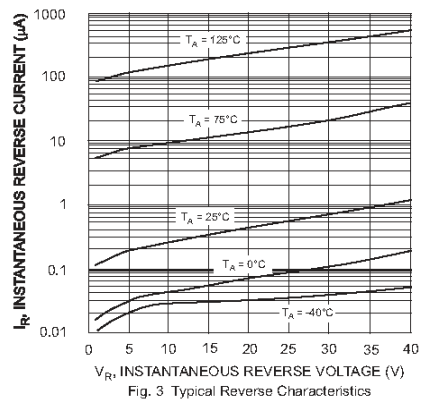
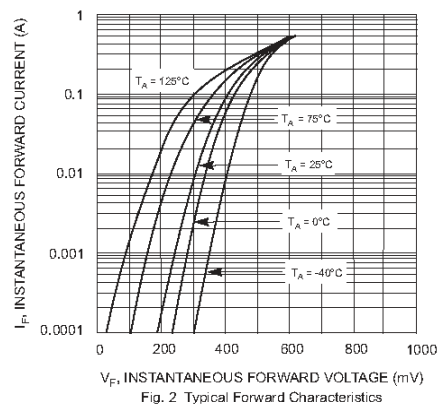
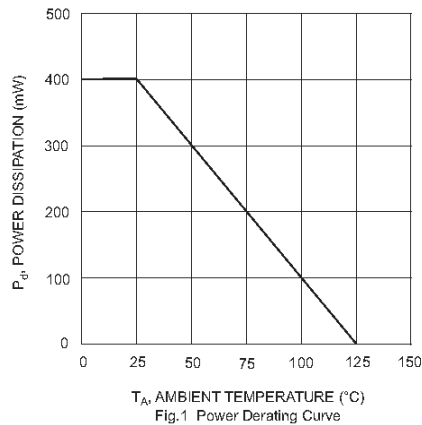
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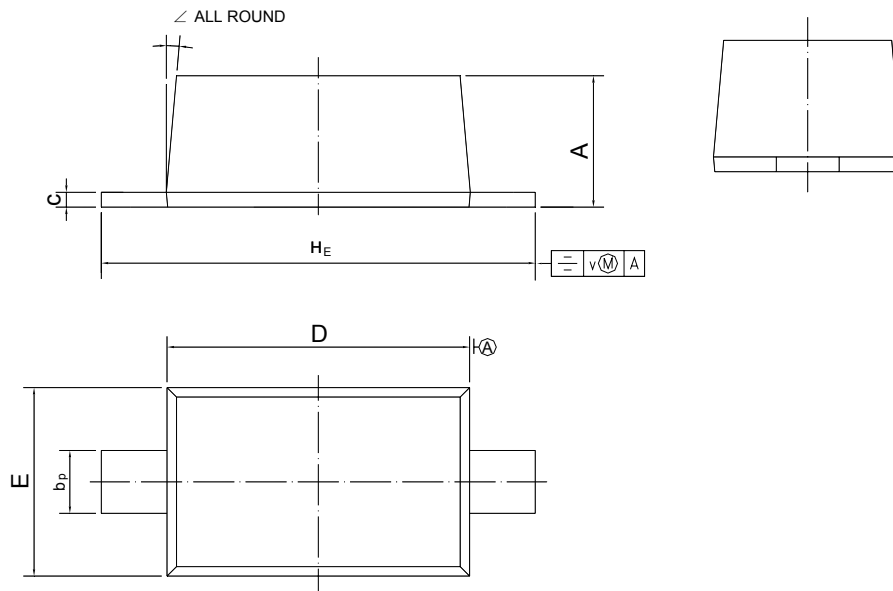
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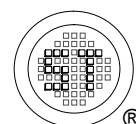
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



UNIT	A	b _P	c	D	E	H _E	v	∠
mm	1.15 1.05	0.6 0.5	0.135 0.127	2.7 2.6	1.65 1.55	3.9 3.7	0.2	5°



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