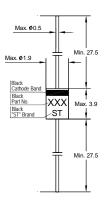
SILICON SCHOTTKY BARRIER DIODES

for general purpose applications

The SD103A, B, C is a metal on silicon Schottky barrier device which is protected by a PN junction guard ring. The low forward voltage drop and fast switching make it ideal for protection of MOS devices, steering, biasing and coupling diodes for fast switching and low logic level applications. Other uses are for click suppression, efficient full wave bridges in telephone subsets, and as blocking diodes in rechargeable low voltage battery system.

This diode is also available in MiniMELF case with type designation LL103A, B, C.



Glass Case DO-35 Dimensions in mm

Parameter		Symbol	Value	Unit
Peak Reverse Voltage	SD103A SD103B SD103C	V _{RRM}	40 30 20	V
Power Dissipation		P _{tot}	400 1)	mW
Single Cycle Surge 60 Hz Sine Wave		I _{FSM}	15	А
Junction Temperature		Tj	125	٥C
Storage Temperature Range		T _{Stg}	- 55 to + 175	٥C
¹⁾ Valid provided the leads direct at the case a	are kept at ambie	ent temperature).	

Absolute Maximum Ratings (T_a = 25 °C)

Characteristics at T_a = 25 °C

Parameter		Symbol	Тур.	Max.	Unit
Forward Voltage at $I_F = 20 \text{ mA}$ at $I_F = 200 \text{ mA}$		V _F V _F	-	0.37 0.6	V V
Reverse Leakage Current at $V_R = 30 V$ at $V_R = 20 V$ at $V_R = 10 V$	SD103A SD103B SD103C	I _R	-	5	μΑ
Junction Capacitance at $V_R = 0 V$, f = 1 MHz		C _{tot}	50	-	pF
Reverse Recovery Time at $I_F = I_R = 5$ mA to 200 mA , recover to 0.1 I_R		t _{rr}	10	-	ns



