## SMD Type

Diodes

## SCHOTTKY DIODE SD107WS

## Features

- Low turn-on voltage
- Fast switching
- Microminiature plastic package
- There devices are protected by a PN junction guard ring against excessive voltage, such as electrostatic discharge.
- Ideal for protection of MOS devices, steering, blasing,and couplong diodes for fast switching and low logic level applocations.

■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Value	Unit	
Continuous Reverse Voltage	Vr	30	Volts	
Forward Current	lf	100	mA	
Forward Surge Current, tp = 10 ms	IFSM	0.75	А	
Power Dissipation Tc = 25 $^{\circ}$ C	Ptot	250(Note 1)	mW	
Thermal Resistance Junction to Ambient Air	RθJA	500	°C/W	
Junction Temperature	TJ	150	°C	
Storage Temperature Range	Ts	-65 to +150	°C	

Note:

1. Valid provided that electrodes are kept at ambient temperature

## ■ Electrical Characteristics Ta = 25°C

S1

Characteristic		Symbol	Min	Тур	Max	Unit
Reverse Breakdown Voltage	at IR = 100 µ A	BVR	30			Volts
Leakage Current	at VR = 25 V	lr			1000	μA
Forward Voltage	at IF = 2.1 mA	Vf		260		
	at IF = 15 mA			360		m V
	at IF = 100 mA			470	550	III V
	at IF = 200 mA			580	880	
Junction Capacitance at Vr = 10	) V, f = 1.0 MHz	Ctot			7.0	pF

Marking

Marking

