

II. Schottky Rectifier

(Package: SOD-323)

SD107WS

<p>FEATURES</p> <ul style="list-style-type: none"> ● Low forward voltage drop ● Guard ring die construction for transient protection ● Ideal for low logic level applications ● Low capacitance <p>APPLICATIONS</p> <ul style="list-style-type: none"> ● Schottky barrier switching 	<p style="text-align: center;">Case: SOD-323 Dimensions in millimeters</p>
--	--

ORDERING INFORMATION

Type No.	Marking	Package Code
SD107WS	SG	SOD-323

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Peak Repetitive reverse voltage	V_{RRM}	30	V
Working peak reverse voltage	V_{RWM}		
DC blocking voltage	V_R		
RMS Reverse Voltage	$V_{R(RMS)}$	21	V
Forward continuous Current	I_F	100	mA
Non-Repetitive Peak Forward Surge Current @t ≤10ms	I_{FSM}	750	mA
Power dissipation	P_d	250	mW
Thermal resistance junction to ambient air	$R_{\theta JA}$	500	°C/W
Junction temperature	T_j	150	°C
Storage temperature	T_{STG}	-65 to+150	°C

II. Schottky Rectifier

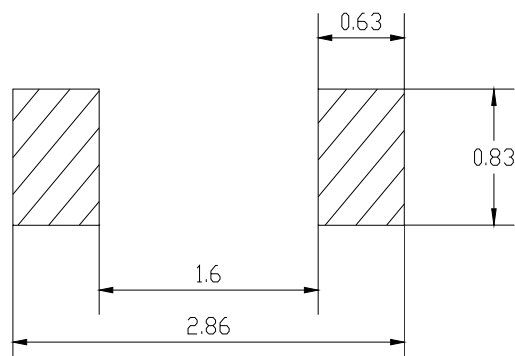
Schottky Barrier Switching Diode

SD107WS

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse breakdown voltage	$V_{(BR)R}$	30			V	$I_R=100\mu A$
Forward voltage	V_F		300		mV	$I_F=2mA$
			360			$I_F=15mA$
			470	550		$I_F=50mA$
			580	800		$I_F=100mA$
Reverse current	I_R			1.0	μA	$V_R=25V$
Typical Junction Capacitance	C_j		7		pF	$V_R=10V, f=1MHz$

SOLDERING FOOTPRINT



Unit : mm