II. Schottky Rectifier

(Package: SOD-323)

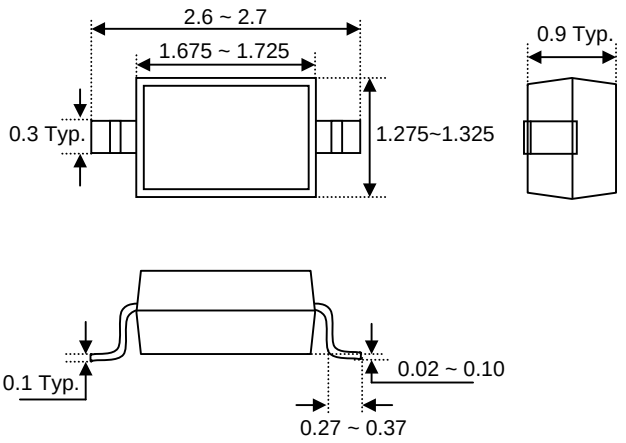
SD107WS

FEATURES

- Low forward voltage drop
- Guard ring die construction for transient protection
- Ideal for low logic level applications
- Low capacitance

APPLICATIONS

- Schottky barrier switching



Case: SOD-323
Dimensions in millimeters

ORDERING INFORMATION

Type No.	Marking	Package Code
SD107WS	SG	SOD-323

MAXIMUM RATING @ Ta=25℃ unless otherwise specified

Parameter	Symbol	Limits	Unit
Peak Repetitive reverse voltage Working peak reverse voltage DC blocking voltage	V_{RRM} V_{RWM} V_R	30	V
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	℃/W
Junction temperature	T_j	150	℃
Storage temperature	T_{STG}	-65 to+150	℃

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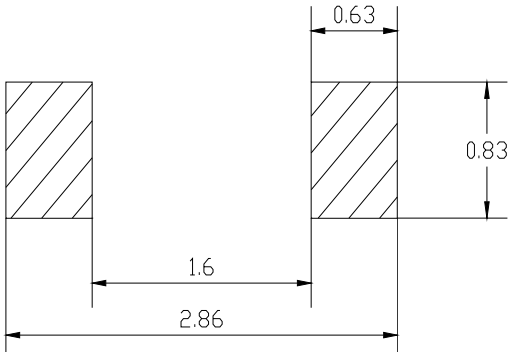
Schottky Barrier Switching Diode **SD107WS**

ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse breakdown voltage	$V_{(BR)R}$	30			V	I_R=100μA
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