

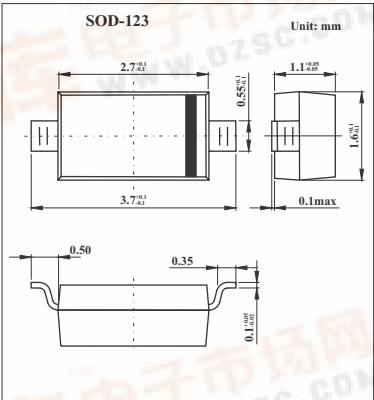
SMD Type

Diodes

Schottky Barrier Switching Diodes
KD103AW - KD103CW
(SD103AW-SD103CW)

■ Features

- Low forward voltage drop.
- Guard ring construction for transient protection.
- Negligible reverse recovery time.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	KD103AW	KD103BW	KD103CW	Unit
Peak repetitive peak reverse voltage	VRRM				
Working peak	VRWM	40	30	20	V
DC blocking voltage	VR				
RMS reverse voltage	VR(RMS)	28	21	14	V
Forward continuous current	IFM	350			mA
Non-Repetitive Peak Forward Surge Curren @t≤1.0s	IFRM	1.5			A
Power dissipation	Pd	400			mW
Thermal resistance junction to ambient	RθJA	300			°C/W
Storage temperature	Tstg	-65 to +125			°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Reverse breakdown voltage	V (BR)R	IR=100 μ A	40			V
			30			
			20			
Forward Voltage Drop	VFM	IF = 20mA			0.37	V
		IF = 200mA			0.60	
Peak Reverse Current	IRM	VR = 30V			5	μ A
		VR = 20V				
		VR = 10V				
Total Capacitance	CT	VR = 0V, f = 1.0MHz		50		pF
Reverse Recovery Time	trr	IF = IR = 200mA, Irr = 0.1 X IR, RL = 100 Ω		10		ns

■ Marking

NO.	KD103AW	KD103BW	KD103CW
Marking	S4	S5 or S4	S6 or S5 or S4

