

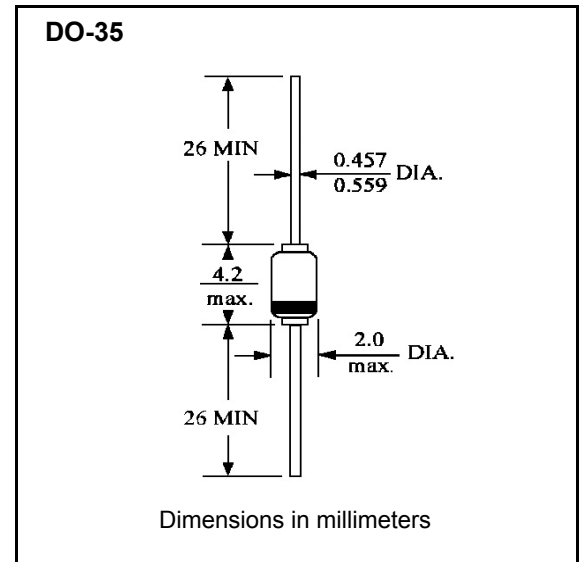
SD103 SCHOTTKY SWITCHING DIODE

Absolute Maximum Ratings (Ta= 25 °C)

Items	Symbol	Ratings	Units
Reverse Voltage	VR	40	V
Thermal Resistance Junction to Ambient	RthA	0.25	K/mW
Power Dissipation	P	400	mW
Forward Current	IF	350	mA
Junction Temp.	Tj	-65 to 175	°C
Storage Temp.	Tstg	-65 to 175	°C

Mechanical Data

Items	Materials
Package	DO-35
Case	Hermetically sealed glass
Chip	Passivated



Electrical Characteristics (Ta= 25°C)

RATINGS	SYMBOL	VALUE	UNITS
Peak Repetative Reverse Voltage	V_{RRM}		V
SD103A		40	
SD103B		30	
SD103C		20	
Peak Forward Surge Current PW= 1sec.	I_{FRM}	1.0	A
Maximum Forward Voltage	V_F		V
IF= 20mA		0.37	
IF= 200mA		0.6	
Maximum Reverse Current	I_R	5.0	uA
SD103A @ VR= 30V			
SD103B @ VR= 20V			
SD103C @ VR= 10V			
Typical Junction Capacitance VR= 0, f= 1MHz	Cj	50 typ	pF
Max Reverse Recovery Time IF= -IR= 10-200mA, revoer to 0.1 IF	trr	10	ns