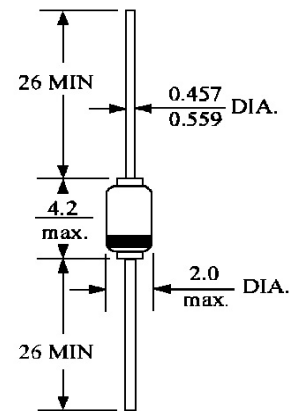


## SD103 SCHOTTKY SWITCHING DIODE

### 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

### DO-35



Dimensions in millimeters

### 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	$C_j$	50 typ	pF
VR= 0, f= 1MHz			
Max Reverse Recovery Time	$t_{rr}$	10	ns
IF= -IR= 10-200mA, revover to 0.1 IF			