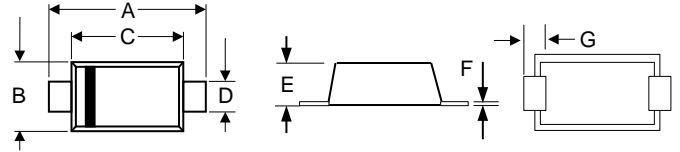


### Features

- \* Low Forward Voltage
- \* Marking Code: S4



**RoHS**  
COMPLIANT



SOD-323F				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.091	0.110	2.30	2.80
B	0.045	0.053	1.15	1.35
C	0.063	0.071	1.60	1.80
D	0.010	0.016	0.25	0.40
E	0.031	0.043	0.80	1.10
F	0.004	0.006	0.10	0.15
G	0.016	0.024	0.41	0.61

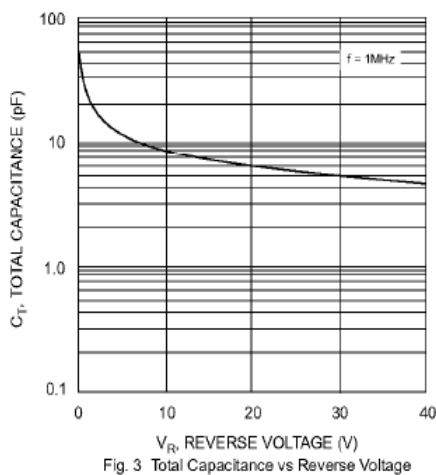
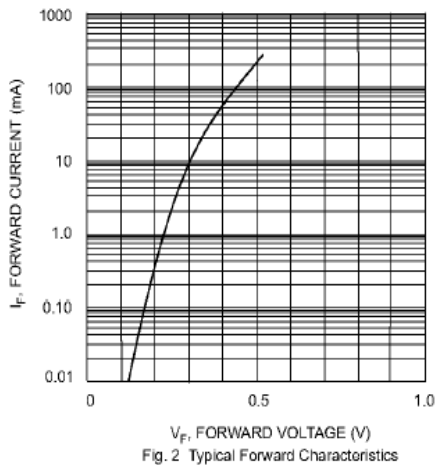
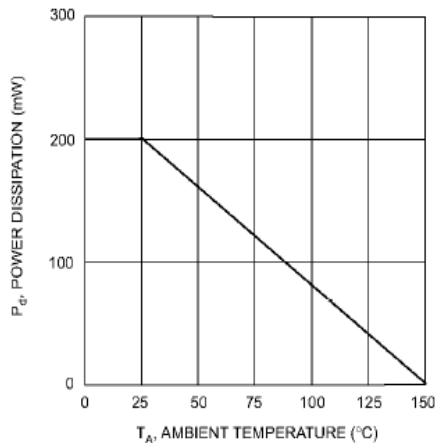
### Maximum Ratings (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage SD103AWS SD103BWS SD103CWS	V <sub>RRM</sub>	40 30 20	V
Reverse Voltage SD103AWS SD103BWS SD103CWS	V <sub>R</sub>	40 30 20	V
Average Forward Rectified Current	I <sub>F(AV)</sub>	350	mA
Non-Repetitive Peak Forward Surge Current at t = 1 s	I <sub>FSM</sub>	2	A
Power Dissipation	P <sub>tot</sub>	200	mW
Operating and Storage Temperature Range	T <sub>j</sub> / T <sub>stg</sub>	- 65 to + 125	°C

### Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage at I <sub>R</sub> = 10 μA SD103AWS SD103BWS SD103CWS	V <sub>(BR)R</sub>	40 30 20	- - -	- - -	V
Reverse Leakage Current at V <sub>R</sub> = 30 V SD103AWS at V <sub>R</sub> = 20 V SD103BWS at V <sub>R</sub> = 10 V SD103CWS	I <sub>R</sub>	- - -	- - -	5 5 5	μA
Forward Voltage at I <sub>F</sub> = 20 mA at I <sub>F</sub> = 200 mA	V <sub>F</sub>	- -	- -	0.37 0.6	V
Total Capacitance at V <sub>R</sub> = 0 V, f = 1 MHz	C <sub>T</sub>	-	50	-	pF
Reverse Recovery Time at I <sub>F</sub> = I <sub>R</sub> = 200 mA, I <sub>rr</sub> = 0.1 I <sub>R</sub> , R <sub>L</sub> = 100 Ω	t <sub>rr</sub>	-	10	-	ns

### Ratings and Characteristic Curves





# SD103AWS,SD103BWS,SD103CWS

Surface Mount Schottky Barrier Diodes

## Ordering Information

Part No.	Package	Packing Code	Packing
SD103AWS,SD103BWS,SD103CWS	SOD-323F	R30	3000pcs/Reel

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