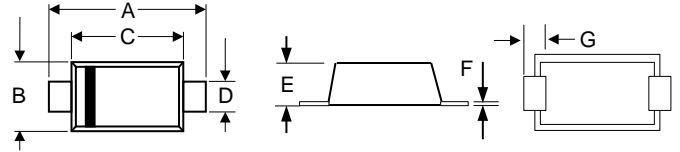


Features

- * Low forward voltage
- * Low reverse capacitance
- * Marking Code: SJ



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

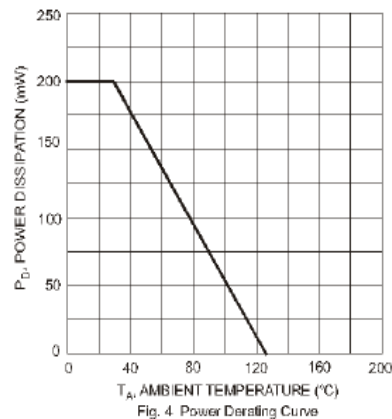
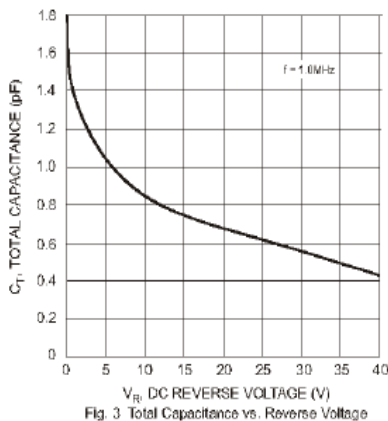
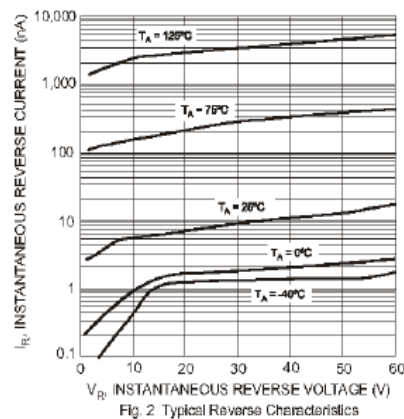
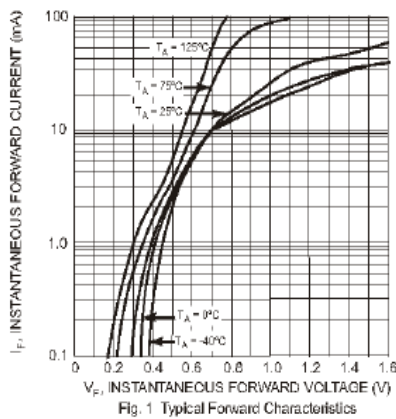
Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage SD101AWS SD101BWS SD101CWS	V _{RRM}	60 50 40	V
Reverse Voltage SD101AWS SD101BWS SD101CWS	V _R	60 50 40	V
Forward Continuous Current	I _{FM}	15	mA
Power Dissipation	P _d	200	mW
Non-Repetitive Peak Forward Surge Current at t = 1 s at t = 10 μs	I _{FSM}	50 2	mA A
Operating and Storage Temperature Range	T _j / T _{stg}	- 65 to + 125	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbol	Min.	Max.	Unit	
Reverse Breakdown Voltage at I _R = 10 μA	SD101AWS SD101BWS SD101CWS	V _{(BR)R}	60 50 40	- - -	V
Forward Voltage at I _F = 1 mA	SD101AWS SD101BWS SD101CWS	V _F	- - -	0.41 0.4 0.39	V
at I _F = 15 mA	SD101AWS SD101BWS SD101CWS		- - -	1 0.95 0.9	
Reverse Current at V _R = 50 V at V _R = 40 V at V _R = 30 V	SD101AWS SD101BWS SD101CWS	I _R	- - -	200 200 200	nA
Total Capacitance at V _R = 0 V, f = 1 MHz	SD101AWS SD101BWS SD101CWS	C _T	- - -	2 2.1 2.2	pF
Reverse Recovery Time at I _F = I _R = 5 mA , I _{rr} = 0.1X I _R , R _L = 100 Ω		t _{rr}	-	1	ns

Ratings and Characteristic Curves





SD101AWS,SD101BWS,SD101CWS Surface Mount Schottky Barrier Diodes

Ordering Information

Part No.	Package	Packing Code	Packing
SD101AWS,SD101BWS,SD101CWS	SOD-323F	R30	3000pcs/Reel

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