

Silicon Epitaxial Planar Switching Diode

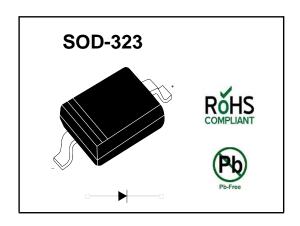
DIN.	DESCRIPTION			
PIN	DESCRIPTION			
1	Cathode			
2	Anode			

PINNING

Applications

· High speed switching

Marking Code: "W2"



Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	85	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	I _{F(AV)}	100	mA
Peak Forward Current	I _{FM}	300	mA
Non-repetitive Peak Surge Forward Current (t = 1 μs)	I _{FSM}	4	Α
Junction Temperature	T _j	150	°C
Storage Temperature Range	T_{stg}	- 55 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10 \text{ mA}$ at $I_F = 100 \text{ mA}$	V _F	0.8 1.2	V
Reverse Current at V _R = 80 V	I _R	0.1	μА
Capacitance between Terminals at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	Ст	2	pF
Reverse Recovery Time at V_R = 6 V, I_F = 10 mA, R_L = 50 Ω	t _{rr}	3	ns

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Typical Characteristics

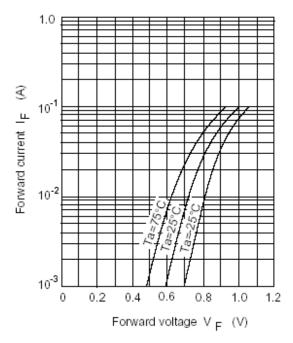


Fig.1. Forward current Vs. Forward voltage

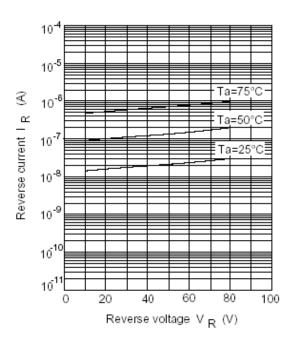


Fig.2 Reverse current Vs. Reverse voltage

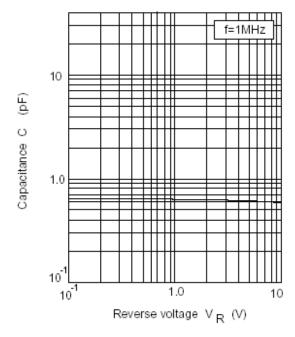


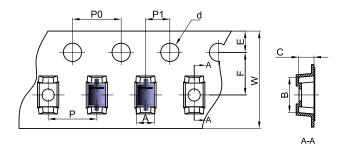
Fig.3 Capacitance Vs. Reverse voltage

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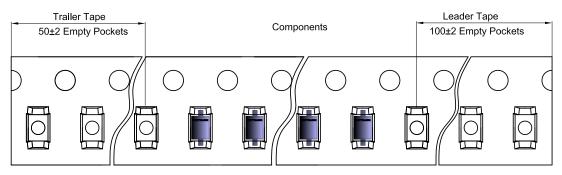
SOD-323 Tape and Reel

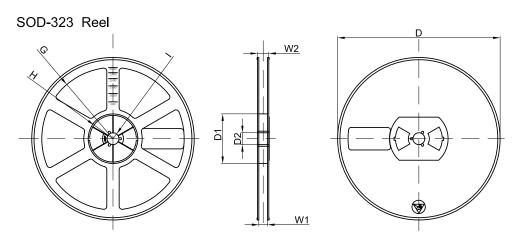
SOD-323 Embossed Carrier Tape



				Dimensions a	are in millime	ter				
Pkg type	Α	В	С	d	E	F	P0	Р	P1	W
SOD-323	1.48	3.3	1.25	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00

SOD-323 Tape Leader and Trailer





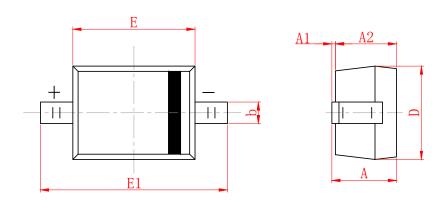
Dimensions are in millimeter								
Reel Option	D	D1	D2	G	Н	l	W1	W2
7"Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

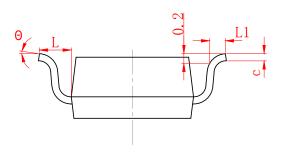
REEL	Reel Size	Вох	Box Size(mm)	Carton	Carton Size(mm)	G.W.(kg)
3000 pcs	7 inch	45,000 pcs	203×203×195	180,000 pcs	438×438×220	

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SOD-323 Package Outline Dimensions





	MILLIMETER			
SYMBOL	MIN	MAX		
A		1.000		
A1	0.000	0.100		
A2	0.800	0.900		
b	0. 250	0. 350		
С	0.008	0. 150		
D	1. 200	1. 400		
E	1. 600	1.800		
E1	2. 500	2. 700		
L	0. 475 (REF)			
L1	0. 250	0. 400		
θ	0°	8°		

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