

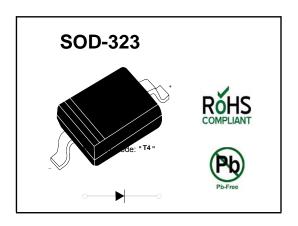
Silicon Epitaxial Planar Switching Diode

PIN	DESCRIPTION
1	Cathode
2	Anode

PINNING

Fast Switching Diode

Marking Code: "T4 "



Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	100	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	I _{F(AV)}	150	mA
Forward Continuous Current	I _{FM}	300	mA
Non-Repetitive Peak Forward Surge Current (at t = 1 μs)	I _{FSM}	0.5	А
Power Dissipation	P_d	200	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	- 65 to + 150	°C

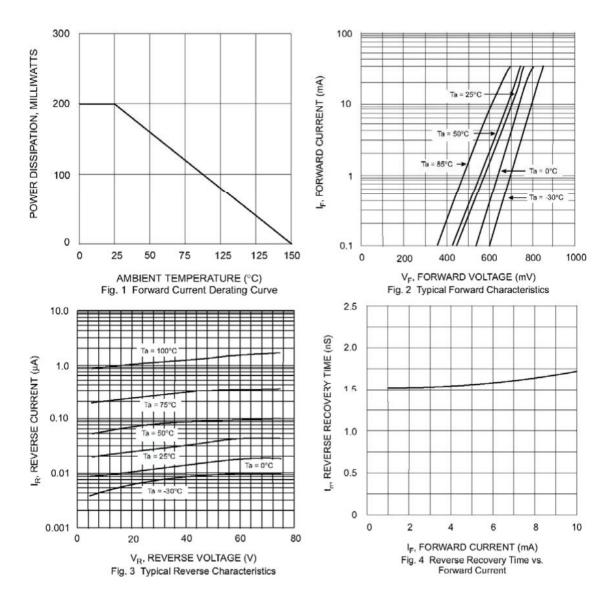
Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I_F = 5 mA at I_F = 10 mA at I_F = 100 mA at I_F = 150 mA	V _F	0.62 - - -	0.72 0.855 1 1.25	V
Reverse Leakage Current at V_R = 80 V at V_R = 20 V at V_R = 75 V, T_J = 150 °C at V_R = 25 V, T_J = 150 °C	I _R	- - - -	100 25 50 30	nA nA μA μA
Reverse Breakdown Voltage at I _R = 100 μA	$V_{(BR)R}$	80	-	V
Total Capacitance at V _R = 0.5 V, f = 1 MHz	C _{tot}	-	4	pF
Reverse Recovery Time at $I_F = I_R = 10 \text{ mA}$, $I_{rr} = 0.1 \text{ X } I_R$, $R_L = 100 \Omega$	t _{rr}	-	4	ns

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Typical Characteristics

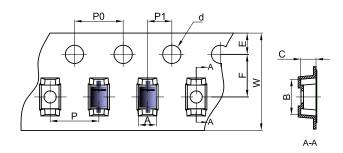


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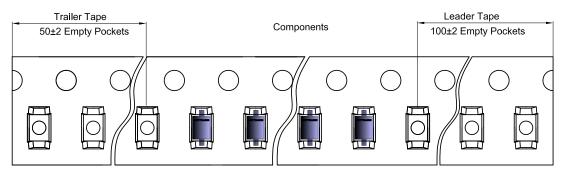
SOD-323 Tape and Reel

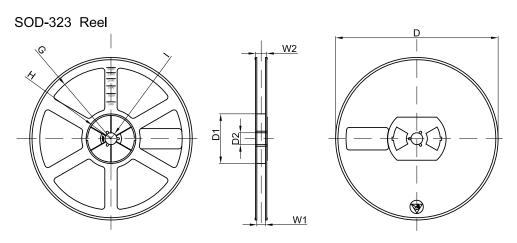
SOD-323 Embossed Carrier Tape



	Dimensions are in millimeter									
Pkg type A B C d E F P0 P P1 W						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





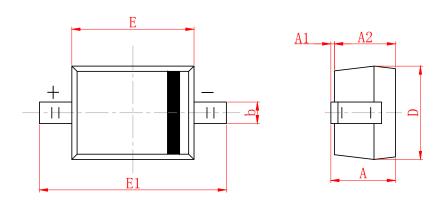
Dimensions are in millimeter								
Reel Option	D	D1	D2	G	Н	Į.	W1	W2
7"Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

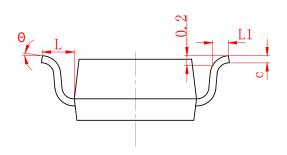
REEL	Reel Size	Вох	Box Size(mm)	Carton	Carton Size(mm)	G.W.(kg)
3000 pcs	7 inch	45,000 pcs	203×203×195	180,000 pcs	438×438×220	

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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			
Е	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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