Lastinght

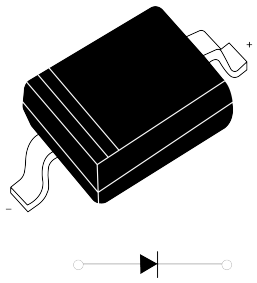
1SS357

Schottky Barrier Diodes

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

SOD-323



RoHS COMPLIANT

Pb-Free

Features

- Low forward voltage
- Low reverse current

Applications

- High Speed Switching

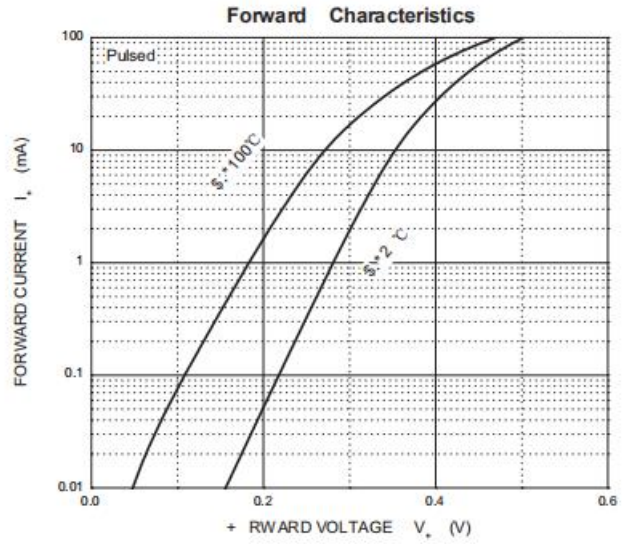
Absolute Maximum Ratings (T_a = 25 °C)

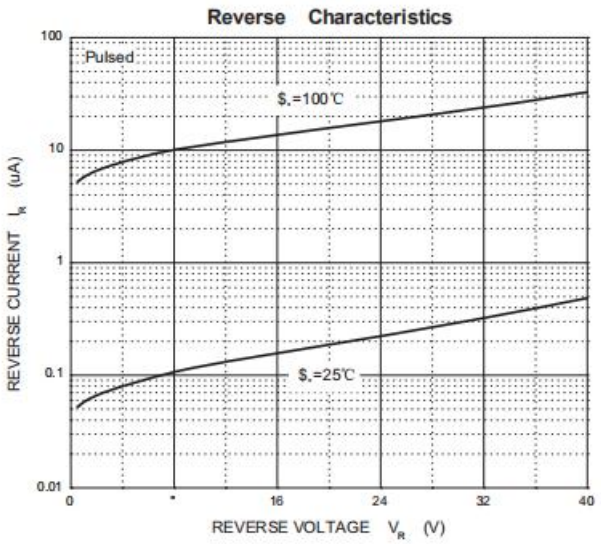
Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Mean rectifying current	I_O	0.1	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	I_{FSM}	1	A
Power dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	R_{ejA}	500	C/W
Operating Junction Temperature Range	T_j	-40 ~ +125	C
Storage Temperature Range	T_{stg}	-55~ +150	C

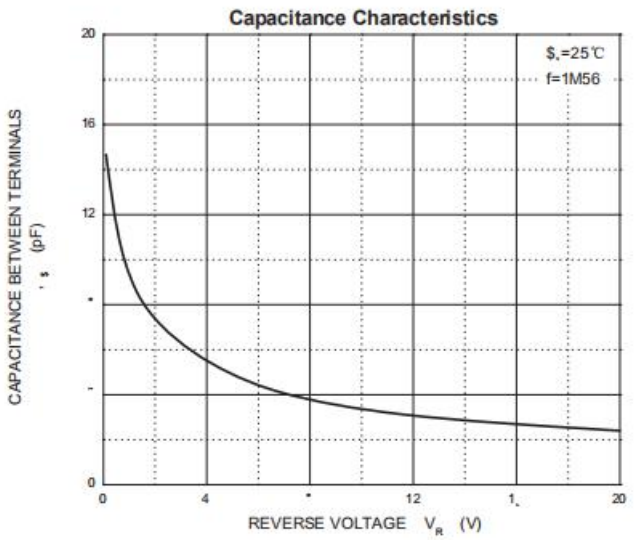
Electrical Characteristics (T_a = 25 °C)

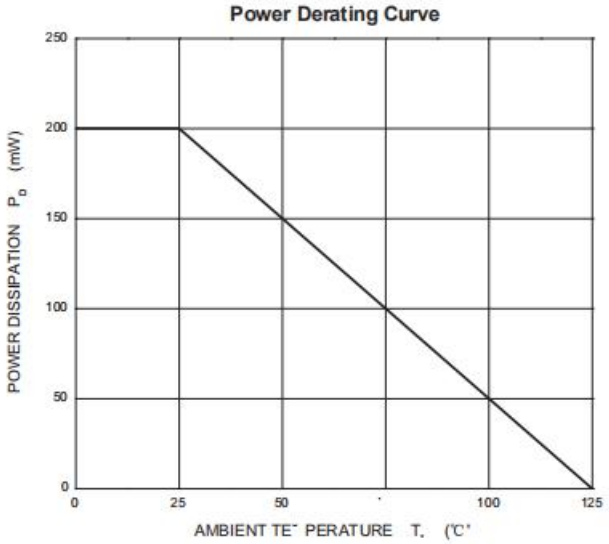
Forward voltage	V_F			0.35	V	I_F=1mA
Forward voltage	V_F			0.45	V	I_F=10mA
Forward voltage	V_F			0.60	V	I_F=100mA
Reverse current	I_R			5	μA	V_R=40V
Capacitance between terminals	C_T			25	pF	V_R=0V, f=1MHz

Typical Characteristics



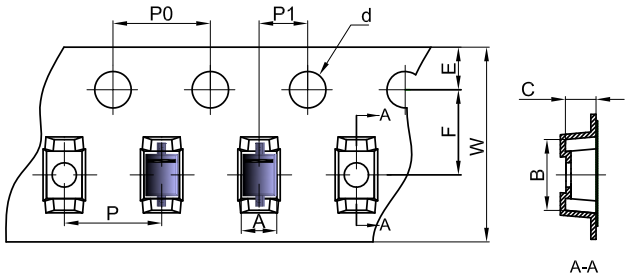






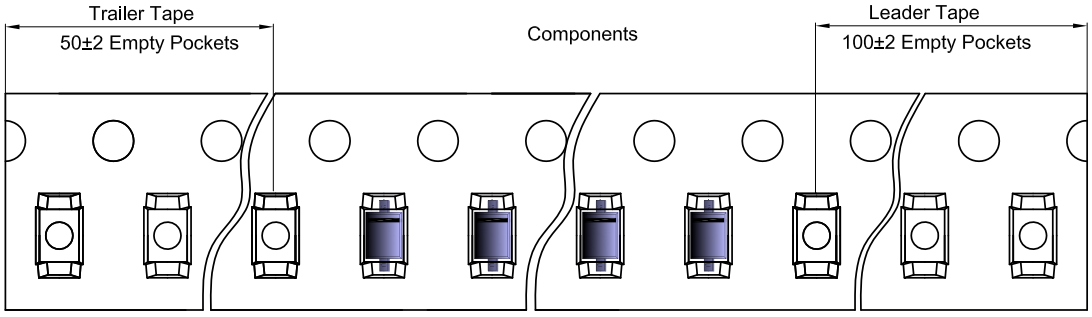
SOD-323 Tape and Reel

SOD-323 Embossed Carrier Tape

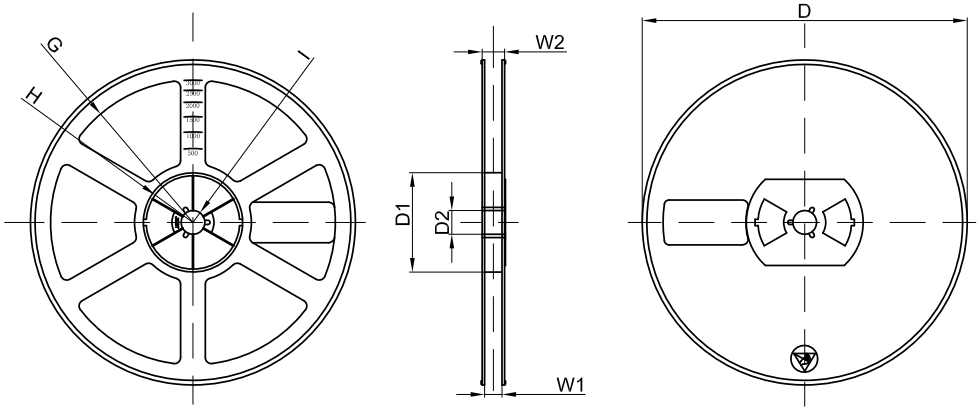


Dimensions are in millimeter										
Pkg type	A	B	C	d	E	F	P0	P	P1	W
SOD-323	1.48	3.3	1.25	Ø1.50	1.75	3.50	4.00	4.00	2.00	8.00

SOD-323 Tape Leader and Trailer



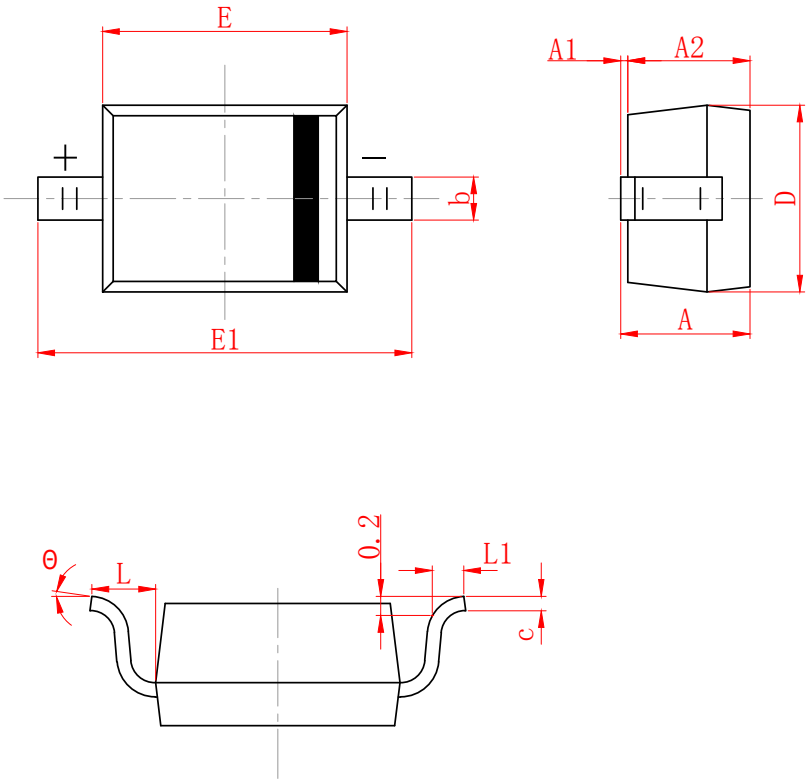
SOD-323 Reel



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

REEL	Reel Size	Box	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	

SOD-323 Package Outline Dimensions



SYMBOL	MILLIMETER	
	MIN	MAX
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	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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