

Plastic-Encapsulate Diodes

Schottky Barrier Diode

FEATURES

- Small Power Mold Type
- Low I_R
- High Reliability

MARKING: 76



Maximum Ratings @Ta=25°C

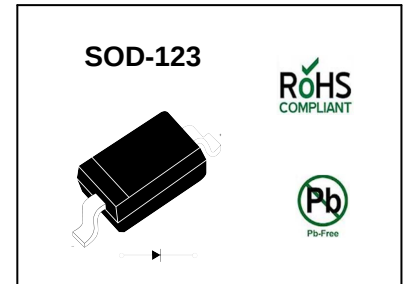
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	60	V
Mean rectifying current	I_O	1	A
Peak forward surge current @t=8.3ms	I_{FSM}	15	A
Power dissipation	P_D	350	mW
Thermal Resistance Junction to Ambient	R_{JA}	286	°C/W
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical characteristics @Ta=25°C

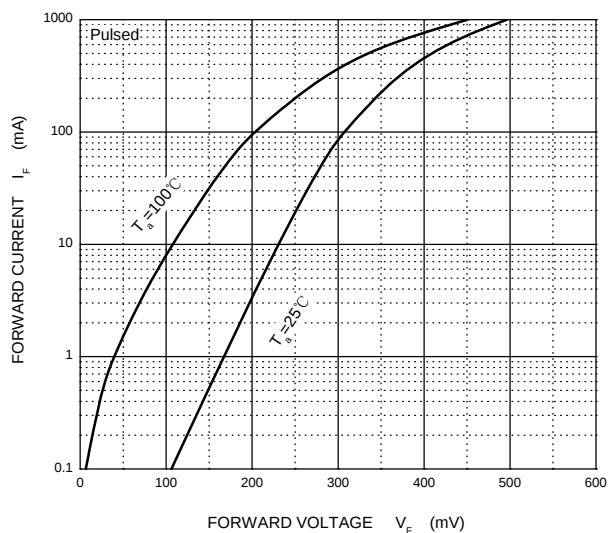
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.58	V	$I_F=1A$
Reverse current	I_R			30	μA	$V_R=60V$

PINNING

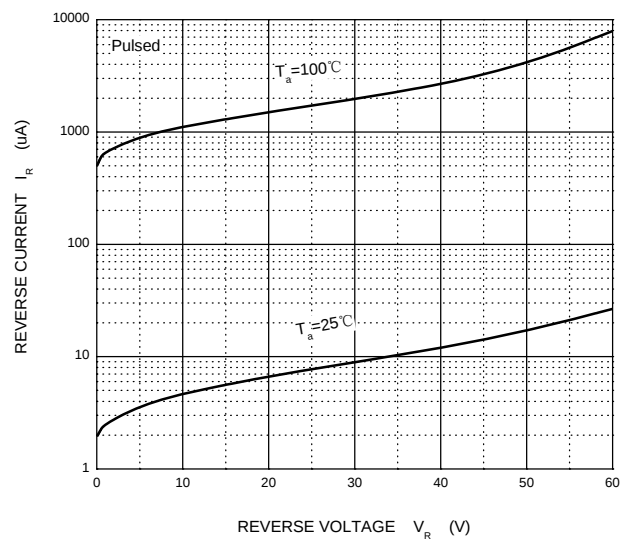
PIN	DESCRIPTION
1	Cathode
2	Anode



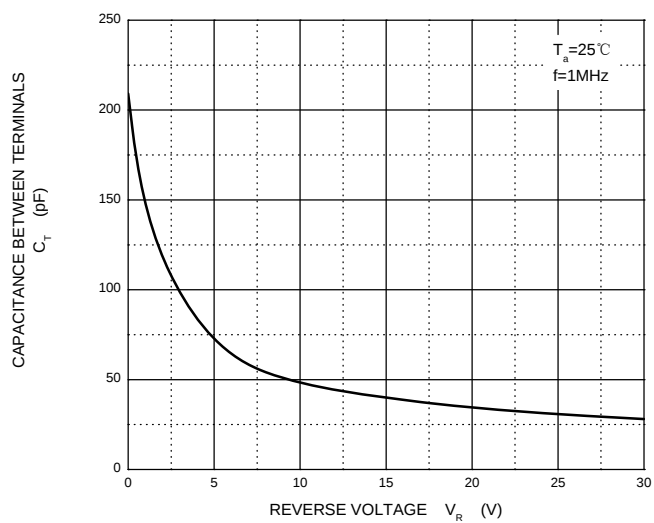
Forward Characteristics



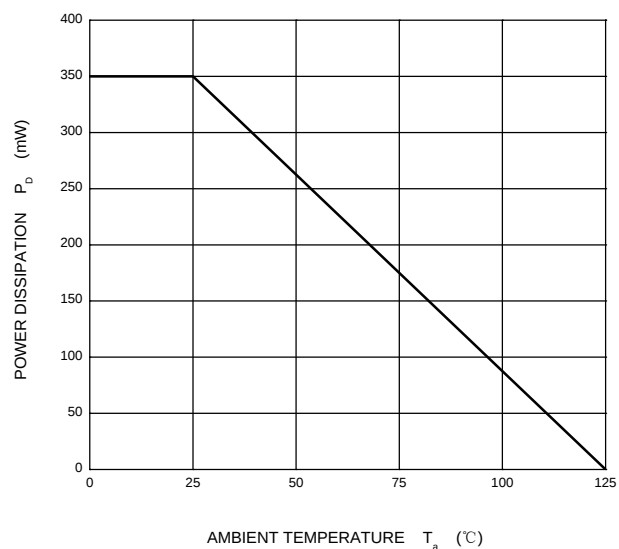
Reverse Characteristics



Capacitance Characteristics

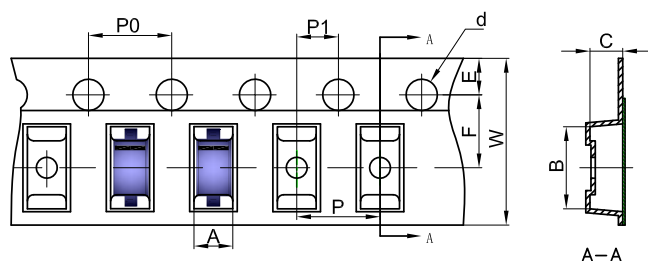


Power Derating Curve



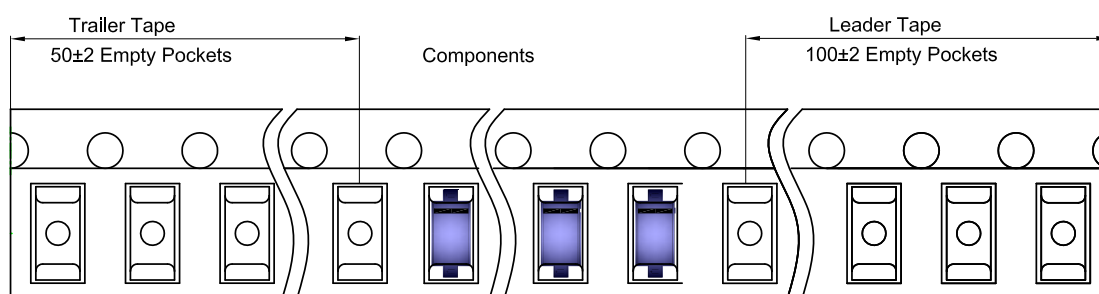
SOD-123 Tape and Reel

SOD-123 Embossed Carrier Tape

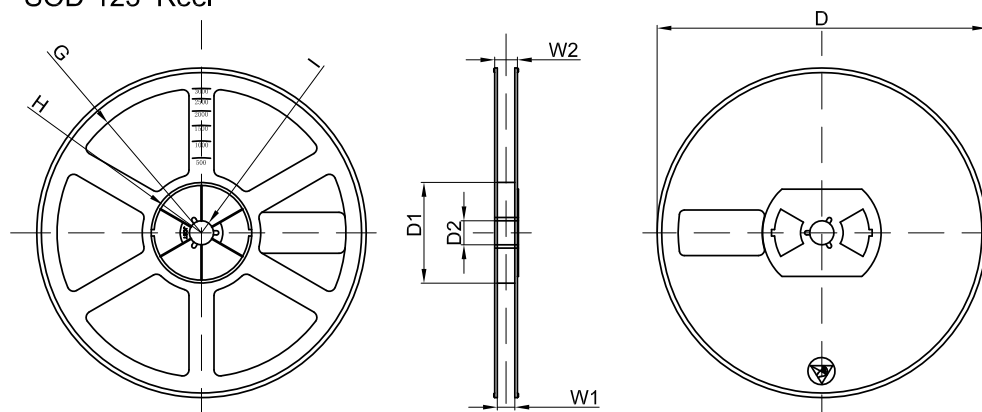


Dimensions are in millimeter										
Pkg type	A	B	C	d	E	F	P0	P	P1	W
SOD-123	1.85	3.95	1.57	Ø1.55	1.75	3.50	4.00	4.00	2.00	8.00

SOD-123 Tape Leader and Trailer

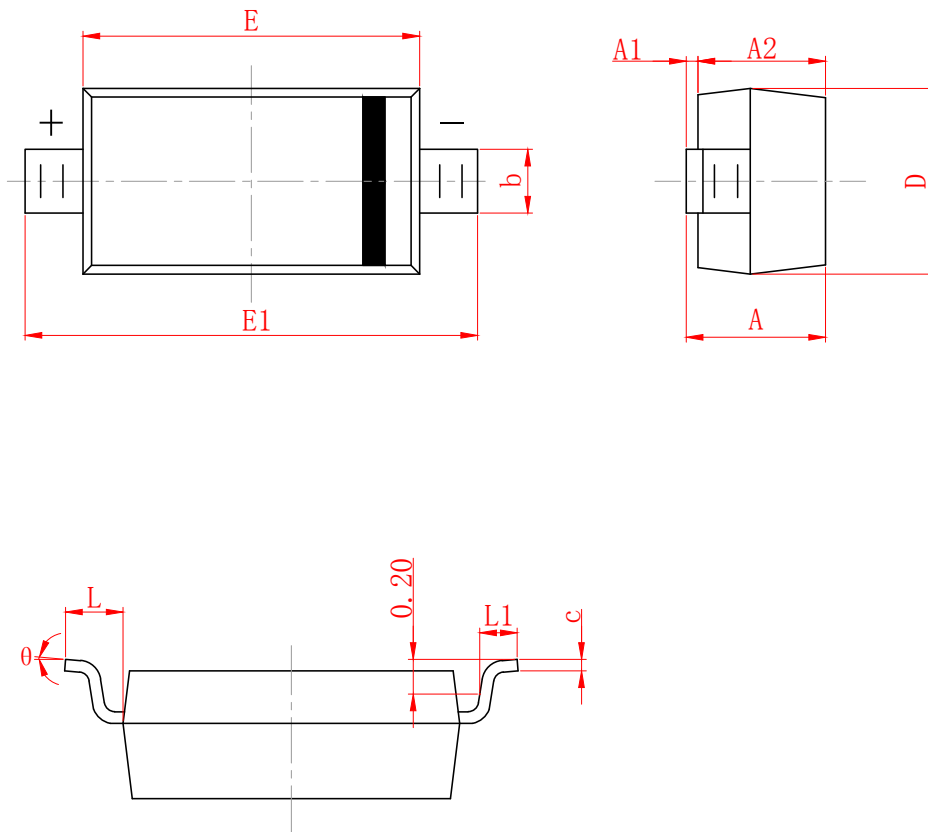


SOD-123 Reel



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	



SYMBOL	MILLIMETER	
	MIN	MAX
A	1.050	1.250
A1	0.000	0.100
A2	1.050	1.150
b	0.450	0.650
c	0.008	0.150
D	1.500	1.700
E	2.600	2.800
E1	3.550	3.850
L	0.500 (REF)	
L1	0.250	0.450
θ	0°	8°

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