

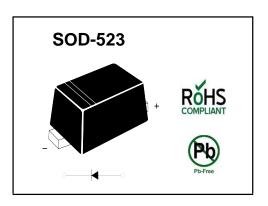
SMALL SIGNAL SCHOTTKY DIODE

PIN DESCRIPTION 1 Cathode 2 Anode

PINNING

Features

• Low forward voltage drop



Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	70	V
Continuous Forward Current	I _F	70	mA
Surge Non-Repetitive Forward Current (tp = 10 ms)	I _{FSM}	1	А
Total Power Dissipation	P _{tot}	230	mW
Thermal Resistance Junction to Ambient 1)	R_{thJA}	550	°C/W
Junction Temperature	TJ	150	°C
Storage Temperature Range	T _{stg}	- 65 to + 150	°C

¹⁾ Mounted on epoxy board, with recommended pad layout.

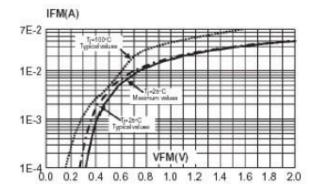
Characteristics at T_a = 25 °C

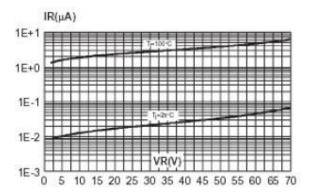
Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I _R = 10 μA	V_{BR}	70	-	V
Forward Voltage at I _F = 1 mA	V _F	-	410	mV
Reverse Current at $V_R = 50 \text{ V}$	I _R	-	100	nA
Diode Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C _{tot}	-	2	pF

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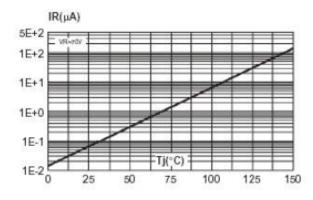
Typical Characteristics

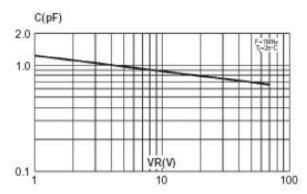


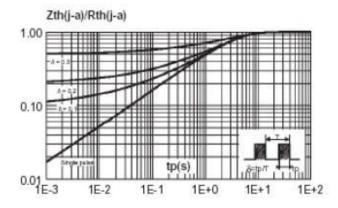


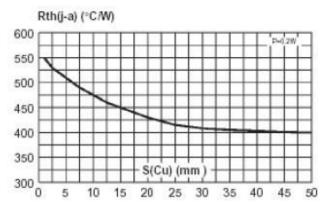
Reverse leakage current versus junction temperature (typical values).







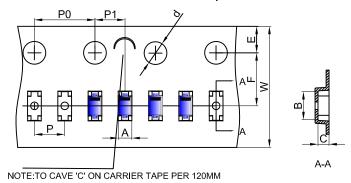




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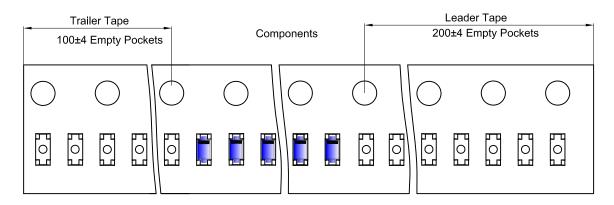


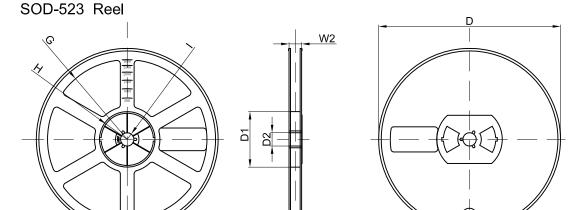
SOD-523 Embossed Carrier Tape



Dimensions are in millimeter										
Pkg type	Α	В	С	d	Е	F	P0	Р	P1	W
SOD-523	0.9	1.94	0.73	Ø1.50	1.75	3.50	4.00	2.00	2.00	8.00

SOD-523 Tape Leader and Trailer





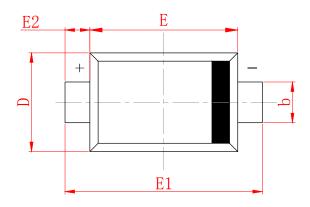
Dimensions are in millimeter								
Reel Option	D	D1	D2	G	Н	I	W1	W2
7"Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

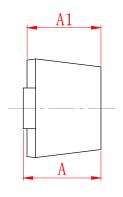
REEL	Reel Size	Вох	Box Size(mm)	Carton	Carton Size(mm)	G.W.(kg)
8000 pcs	7 inch	120,000 pcs	203×203×195	480,000 pcs	438×438×220	

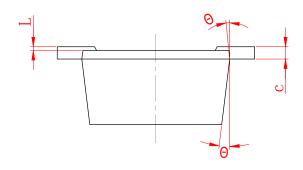
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SOD-523 Package Outline Dimensions







	MILLIMETER				
SYMBOL	MIN	MAX			
A	0. 530	0. 730			
A1	0. 500	0.700			
b	0. 280	0. 380			
С	0. 080	0. 150			
D	0. 750	0.850			
Е	1. 100	1. 300			
E1	1. 500	1. 700			
E2	0. 200 REF				
L	0. 010	0. 070			
θ	7° REF				

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