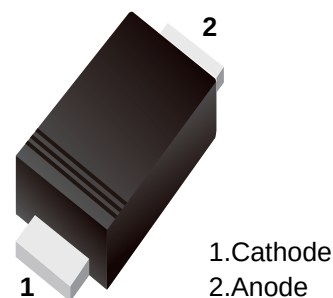


■ Switching Diodes



■ Features

- Fast Switching Speed
- High reliability



■ Simplified outline(SOD-523)

Top View

■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Reverse voltage (Repetitive)	V_{RM}	90	V
Reverse voltage (DC)	V_R	80	
Average rectified forward current	I_o	100	mA
Forward voltage (Repetitive Peak)	I_{FM}	225	
Surge Current(t=1s)	I_{surge}	500	
Junction Temperature	T_J	125	°C
Storage Temperature range	T_{stg}	-55 to 125	

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V_R	$I_R = 100 \mu A$	90			V
Forward voltage	V_F	$I_F = 100 mA$			1.2	
Reverse voltage leakage current	I_R	$V_R = 80 V$			0.1	μA
Junction capacitance	C_j	$V_R = 0.5 V, f = 1 MHz$			3	pF
Reverse recovery time	t_{rr}	$V_R = 6V, I_F = 10mA, R_L = 100\Omega$			4	ns

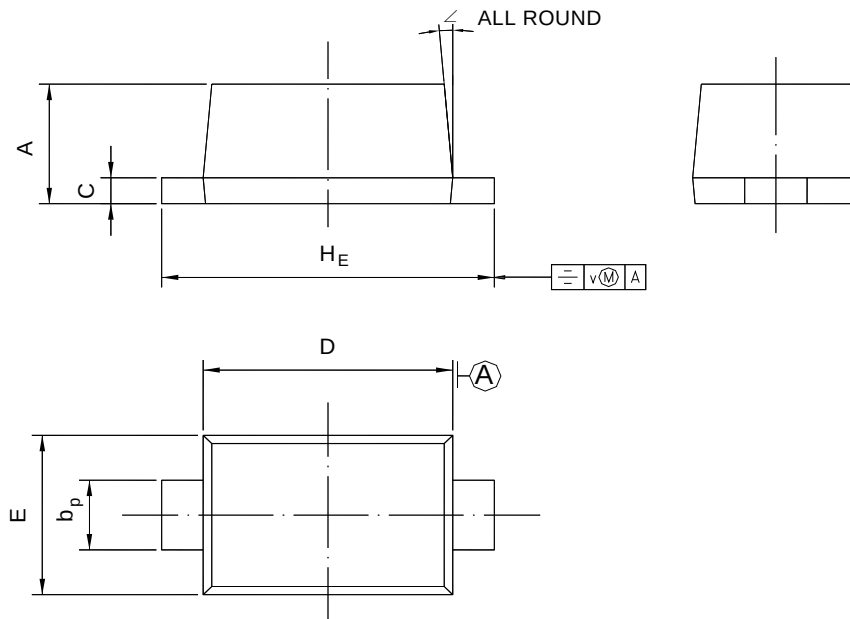
■ Marking

Marking	A
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Package Outline

SOD-523

Plastic surface mounted package; 2 leads



UNIT	A	b _p	C	D	E	H _E	V	∠
mm	0.70 0.60	0.4 0.3	0.135 0.100	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°

Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
SOD-523	Tape/Reel, 7" reel	3000	EIA-481-1