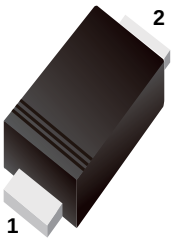
■ HIGH SPEED SWITCHING APPLICATION

lead-free ROHS

■ Features

- Small Package
- Low Forward Voltage V_F = 0.23V(TYP.) @I_F = 5 mA



1.Cathode
2.Anode

■ Simplified outline(SOD-523)

■ Marking

Marking	S4

■ Absolute Maximum Ratings Ta = 25℃

Characteristic	Symbol	Rating	Unit
Maximum (Peak) reverse voltage	V_{RM}	15	V
Reverse voltage	V_R	10	V
Maximum (Peak) forward current	I_{FM}	200	mA
Average forwrad current	I_O	100	mA
Surge current (10 ms)	I_{FSM}	1	A
Power dissipation	P*	150	mW
Junction temperature	T_j	125	℃
Storage temperature range	T_{stg}	-55 to + 125	℃
Operating temperature range	$T_{o\ pr}$	-44 to +100	℃

* : Mounted on a glass epoxy circuit borad of 20 □ 20mm,pad dimension of 4 □4mm.

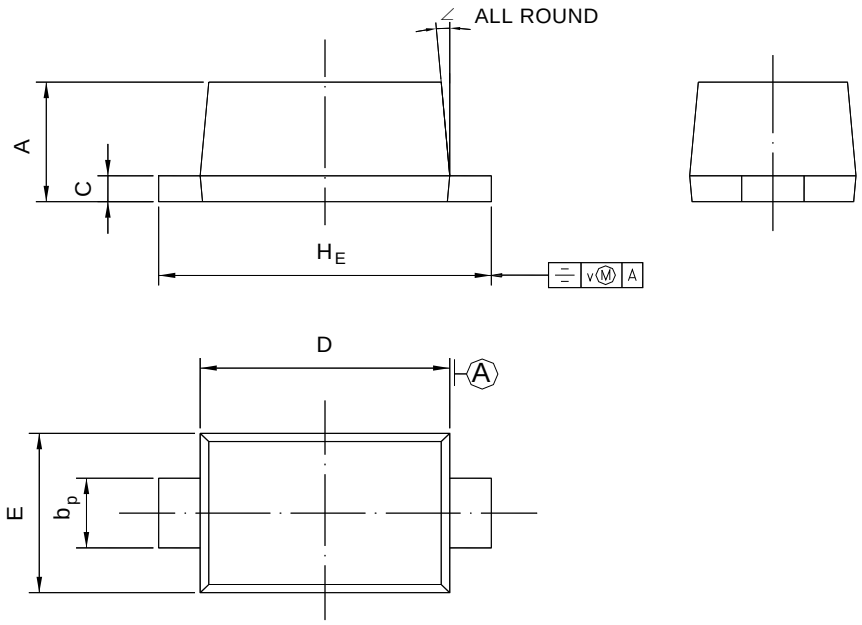
■ Electrical Characteristics Ta = 25℃

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Continuous forward voltage	V_F	I_F = 1 mA		0.18		V
		I_F = 10 mA		0.23	0.3	
		I_F = 100 mA		0.35	0.5	
Reverse current	I_R	V_R = 10 V			20	μA
Total capacitance	C_T	V_R = 0 V, f = 1 MHz		20	40	pF

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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

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