

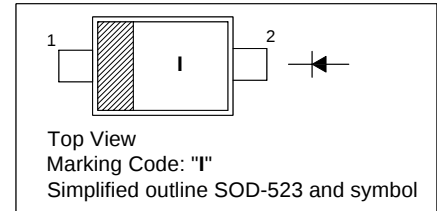
1N6263WT

SILICON SCHOTTKY BARRIER DIODE

for general purpose applications

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

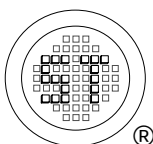


Absolute Maximum Ratings ($T_a = 25\text{ }^{\circ}\text{C}$)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RRM}	40	V
Power Dissipation	P_{tot}	400	mW
Max. Single Cycle Surge Forward Current (10 s Square wave)	I_{FSM}	2	A
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_s	- 55 to + 150	$^{\circ}\text{C}$

Characteristics at $T_a = 25\text{ }^{\circ}\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 10\text{ }\mu\text{A}$	$V_{(BR)R}$	40	-	V
Forward Voltage at $I_F = 1\text{ mA}$ at $I_F = 15\text{ mA}$	V_F	- -	0.39 0.9	V
Reverse Leakage Current at $V_R = 30\text{ V}$	I_R	-	200	nA
Junction Capacitance at $V_R = 0\text{ V}$, $f = 1\text{ MHz}$	C_{tot}	-	2.2	pF
Reverse Recovery Time at $I_F = I_R = 5\text{ mA}$, recover to $0.1\text{ }I_R$	t_{rr}	-	1	ns



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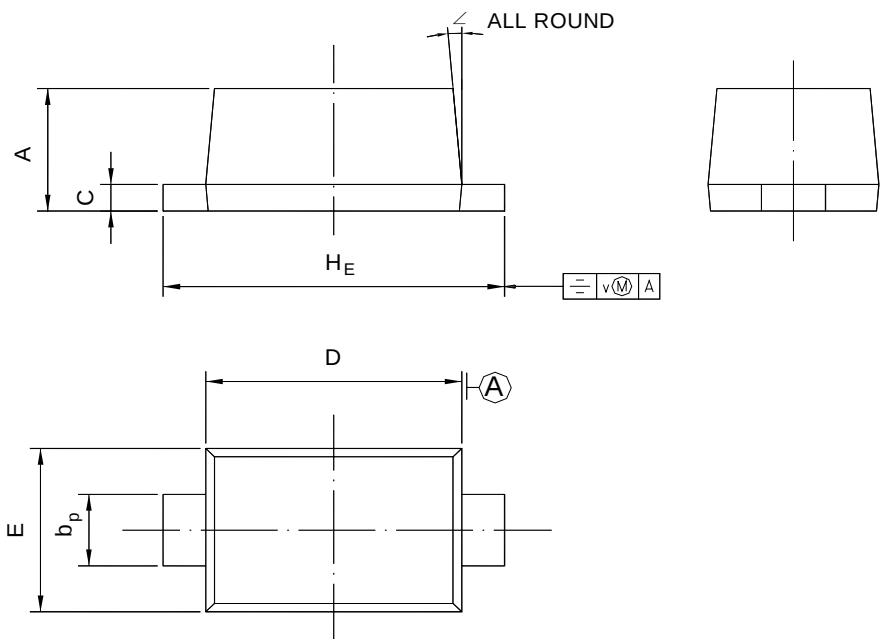
Dated : 23/11/2006

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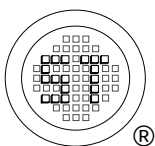
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



UNIT	A	b _p	C	D	E	H _E	V	∠
mm	0.70 0.60	0.4 0.3	0.135 0.127	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°



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