



FUKUCOM COMPANY LTD.

福靈有限公司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.
TEL: 852-2790 0314 FAX: 852-2790 0206

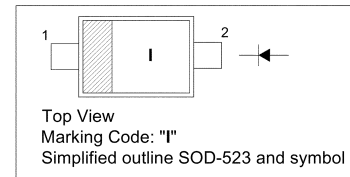
1N6263WT

SILICON SCHOTTKY BARRIER DIODE

for general purpose applications

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

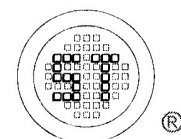


Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

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 $0.1 I_R$	t_{rr}	-	1	ns



SEMTECH

Dated : 23/11/2006



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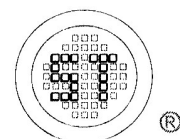
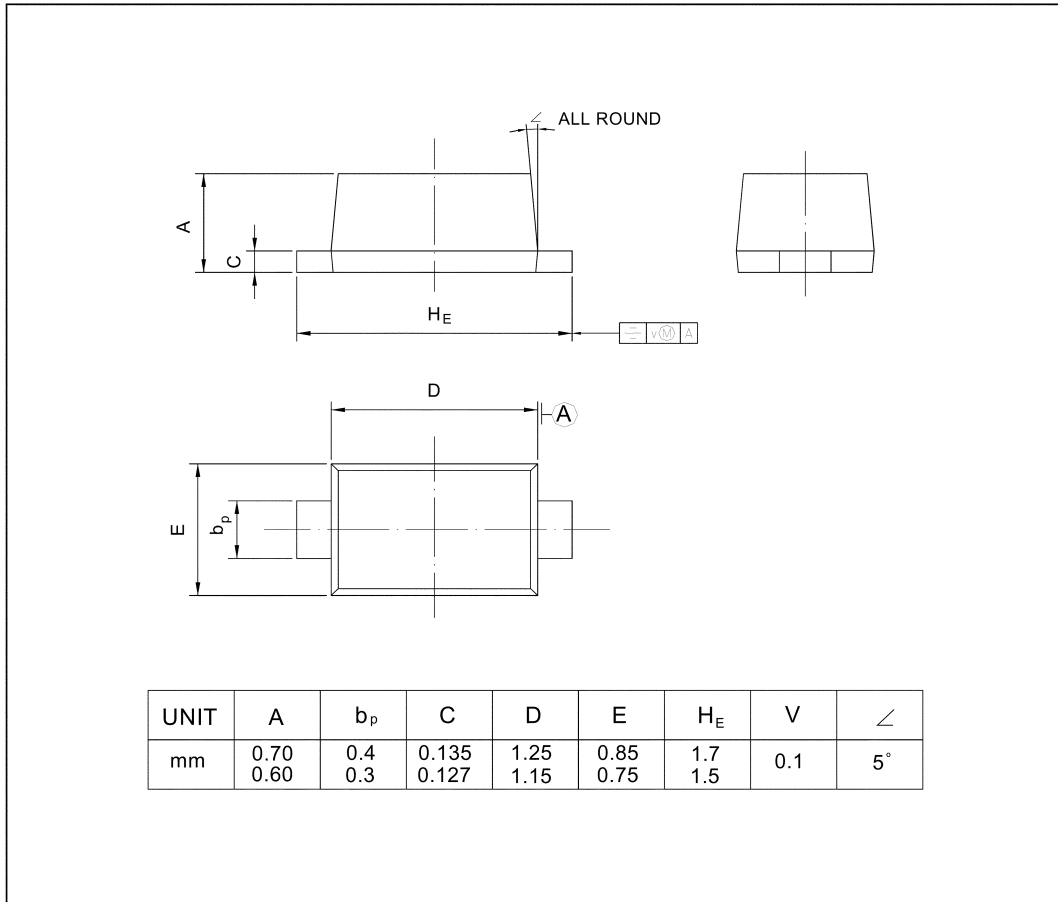
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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



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