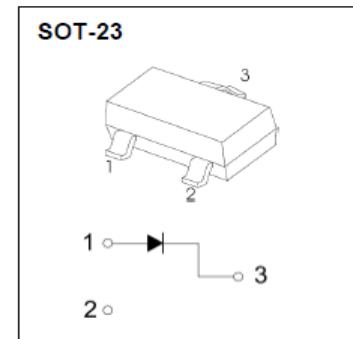


## SCHOTTKY BARRIER DIODE

### FEATURES

- Small Surface Mounting Type
- High Reliability



**MARKING:** 4T

### MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ unless otherwise noted )

Symbol	Parameter	Value	Unit
$V_{RRM}$	Maximum Repetitive Reverse Voltage	30	V
$I_o$	Forward Current	50	mA
$P_D$	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	500	$^\circ\text{C}/\text{W}$
$T_j$	Junction Temperature	125	$^\circ\text{C}$
$T_{stg}$	Storage Temperature	-55~+150	$^\circ\text{C}$

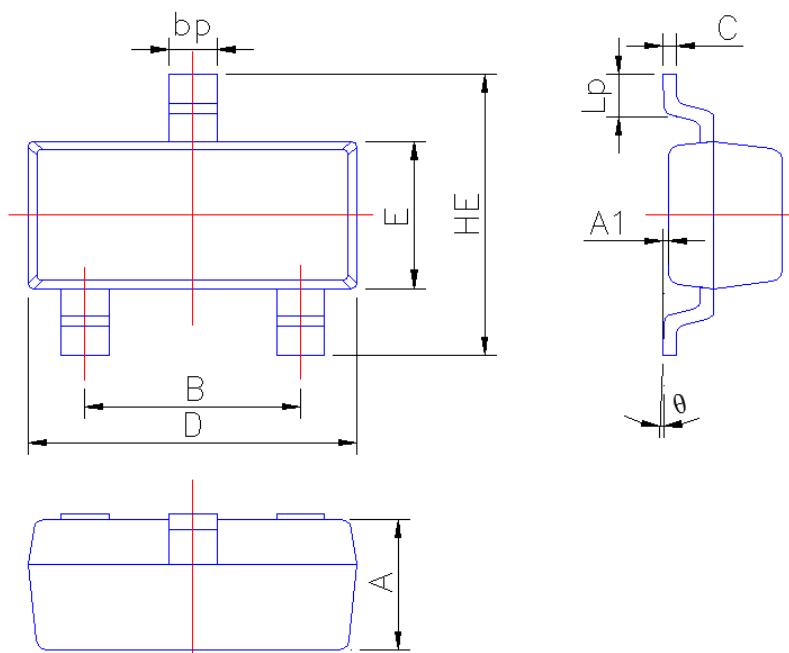
### ELECTRICAL CHARACTERISTICS( $T_a=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=10\mu\text{A}$	30			V
Reverse current	$I_R$	$V_R=25\text{V}$			200	nA
Forward voltage	$V_F$	$I_F=1\text{mA}$			0.45	V
		$I_F=10\text{mA}$			0.6	
Total capacitance	$C_{tot}$	$V_R=15\text{V}, f=1\text{MHz}$			1.5	pF

## PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

**SOT-23**



Symbol	Dimension in Millimeters	
	Min	Max
A	0.90	1.10
A1	0.013	0.100
B	1.80	2.00
bp	0.35	0.50
C	0.09	0.150
D	2.80	3.00
E	1.20	1.40
HE	2.20	2.80
Lp	0.20	0.50
θ	0°	5°