



SOT-32 Plastic-Encapsulate DIODE

BAS70 SERIES

SCHOTTKY DIODE

FEATURES

Power dissipation

$$P_D: 200 \text{ mW (Tamb=25 } ^\circ\text{C)}$$

Collector current

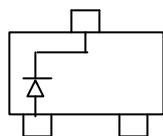
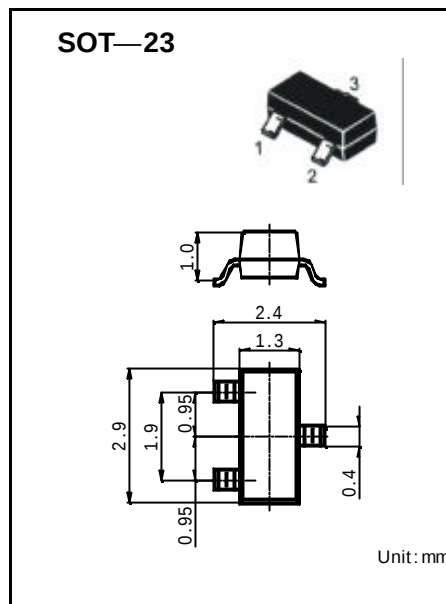
$$I_F: 200 \text{ mA}$$

Collector-base voltage

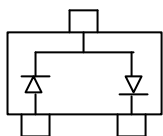
$$V_R: 70 \text{ V}$$

Operating and storage junction temperature range

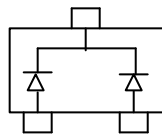
$$T_J, T_{stg}: -55 \text{ to } +150$$



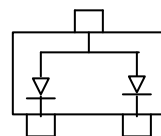
BAS70 Marking: 73



BAS70-04 Marking: 74



BAS70-05 Marking: 75

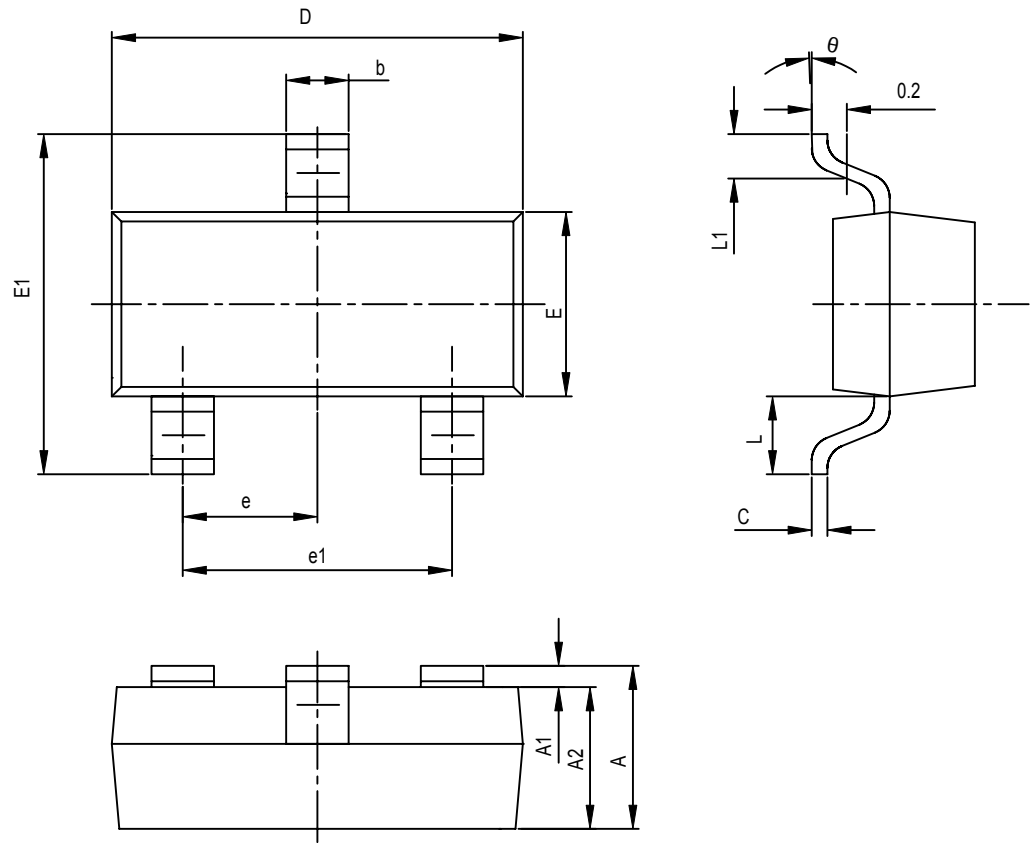


BAS70-06 Marking: 76

ELECTRICAL CHARACTERISTICS (Tamb=25 unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R = 10\mu A$	70		V
Reverse voltage leakage current	I_R	$V_R = 50V$		100	nA
Forward voltage	V_F	$I_F = 1mA$ $I_F = 15mA$		410 1000	mV
Diode capacitance	C_D	$V_R = 0V$ $f = 1MHz$		2	pF
Reveres recovery time	t_{rr}	$I_F = 10mA$ through $I_R = 10mA$ to $I_R = 1mA$		5	nS

SOT-23 PACKAGE OUTLINE DIMENSIONS



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950TPY		0.037TPY	
e1	1.800	2.000	0.071	0.079
L	0.550REF		0.022REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°