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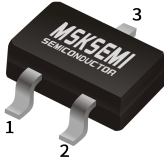
GDT



PLED

Product data sheet

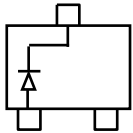
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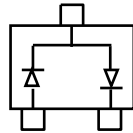
SOT-23

FEATURES

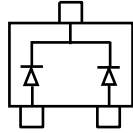
- Low turn-on voltage
- Fast switching
- Also available in lead free version



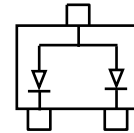
BAS70 Marking: 73



BAS70-04 Marking: 74







BAS70-05 Marking: 75



BAS70-06 Marking: 76

MARKING:

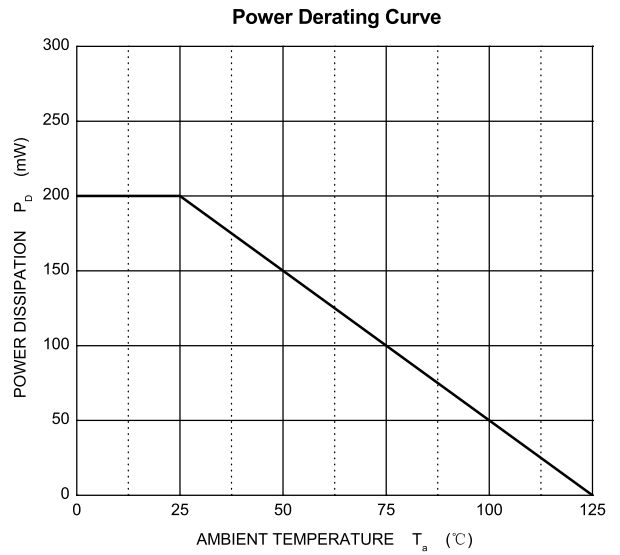
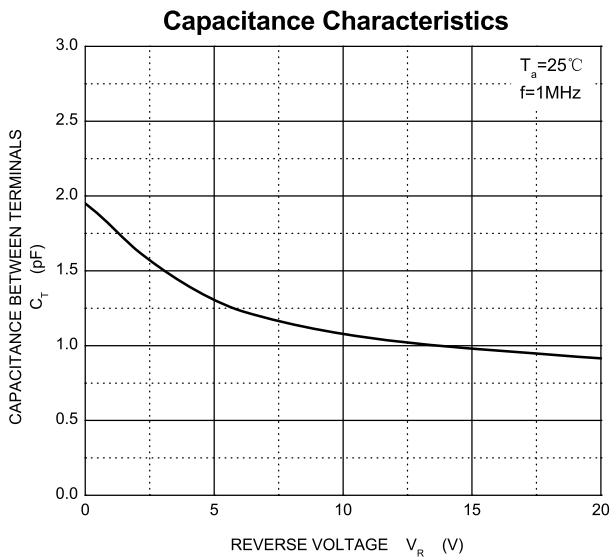
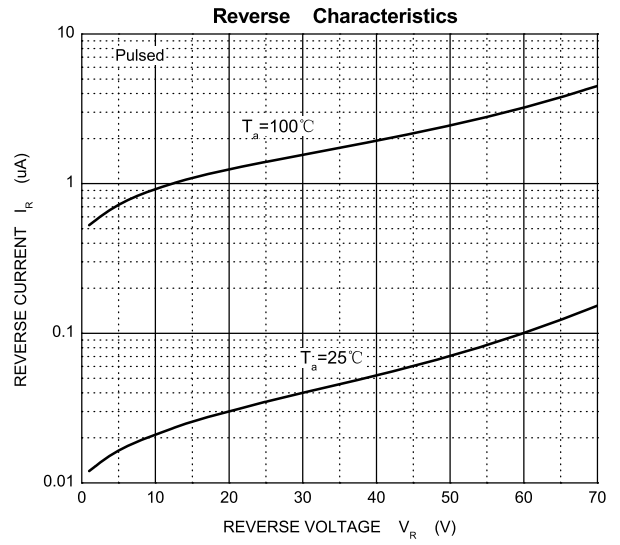
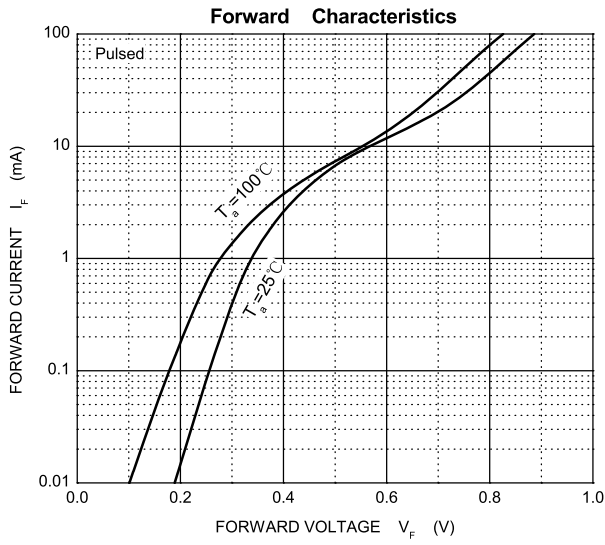
BAS70	BAS70-04	BAS70-05	BAS70-06
			

MAXIMUM RATINGS @T_a=25°C

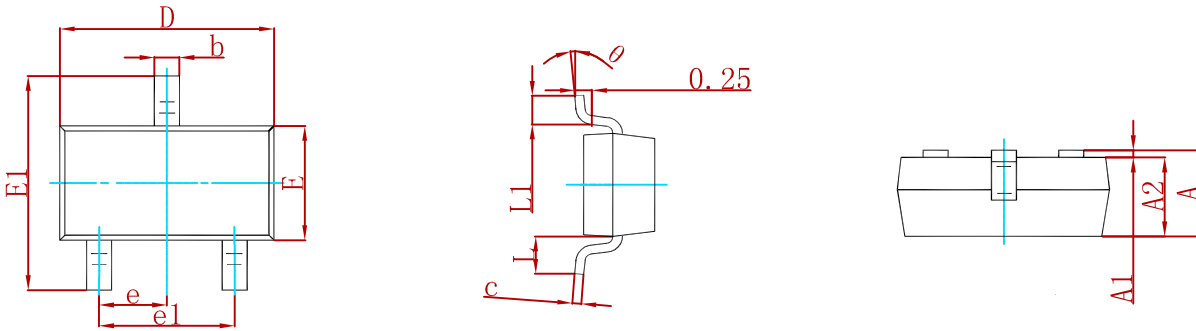
Symbol	Parameter	Value	Unit
V _R	DC Voltage	70	V
I _F	Forward Continuous Current	70	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @ t = 8.3ms	100	mA
P _D	Power Dissipation	200	mW
R _{θJA}	Thermal Resistance Junction to Ambient	500	°C/W
T _J	Operating Junction Temperature Range	-40 ~ +125	°C
T _{stg}	Storage Temperature Range	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	V _(BR)	I _R = 10μA	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
Reverse recovery time	t _{rr}	I _F =I _R =10mA, I _{tr} =0.1xI _R , R _L =100Ω		5	ns

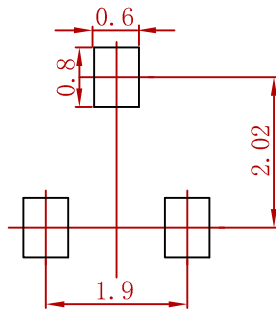


PACKAGE MECHANICAL DATA



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
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	0.950 TYP		0.037 TYP	
e1	1.800	2.000	0.071	0.079
L	0.550 REF		0.022 REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°

Suggested Pad Layout



- Note:
1. Controlling dimension: in millimeters.
 2. General tolerance: ± 0.05mm.
 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
BAS70/-04/-05/-06	SOT-23	3000

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