

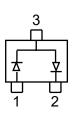
Features

- Forward Continuous Current:I_F=70mA
- Power Dissipation of 200mw



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
BAS70-04	SOT-23	74	3000



Maxmim Ratings (Ta=25°C unless otherwise noted)

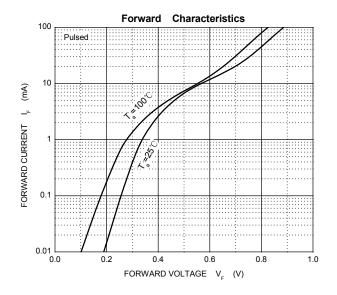
Symbol	Parameter	Value	Unit
V _R	DC Voltage	70	V
I _F	Forward Continuous Current	70	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @ t = 8.3ms	100	mA
P _D	Power Dissipation	200	mW
Rеja	Thermal Resistance Junction to Ambient	500	°C/W
TJ	Junction Temperature	125	Ç
T _{stg}	Storage Temperature	-55~+150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

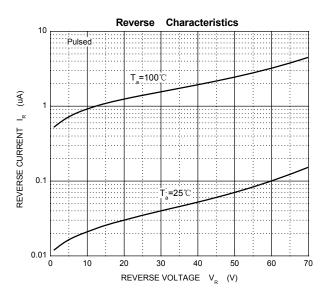
Electrcal Charcteristics (Ta=25°C unless otherwise specified)

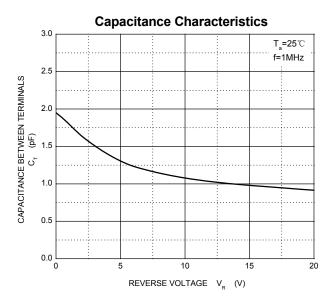
Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	V _(BR)	I _R = 10μA	70		V
Reverse voltage leakag e current	I _R	V _R =50V		100	nA
Forward voltage	V _F	I _F =1mA I _F =15mA		410 1000	mV
Diode cap acitance	C _D	V _R =0V f=1MHz		2	pF
Reveres recovery time	t _{rr}	$I_F=I_R=10\text{mA},I_{rr}=0.1\text{x}I_R,$ $R_L=100\Omega$		5	ns

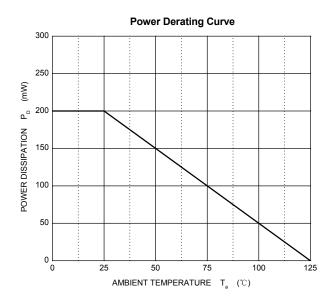


Typical Characteristics



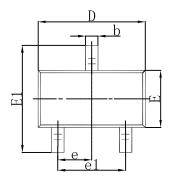


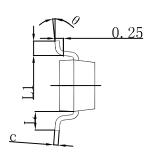


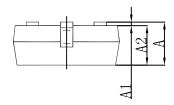




SOT-23 Package Outline Dimensions

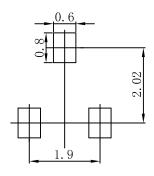






Symbol	Dimensions	In Millimeters	Dimensions In Inches		
Зупроі	Min	Max	Min	Max	
Α	0.900	1.150	0.035	0.045	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.050	0.035	0.041	
b	0.300	0.500	0.012	0.020	
С	0.080	0.150	0.003	0.006	
D	2.800	3.000	0.110	0.118	
E	1.200	1.400	0.047	0.055	
E1	2.250	2.550	0.089	0.100	
е	0.950	0.950 TYP 0.037		7 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°	

SOT-23 Suggested Pad Layout



Note:

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



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