













ESD

TVS

TSS

MOV

GDT

BAS70/-04/-05/-06

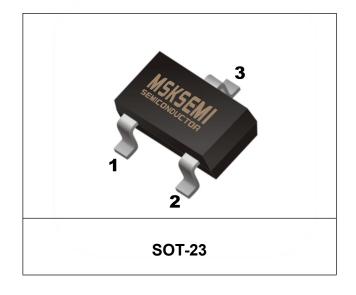
Product specification



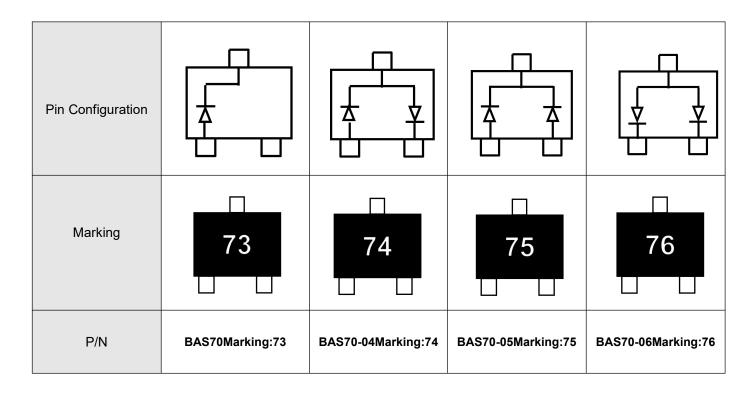


Features

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



Reference News





MAXIMUM RATINGS@Ta=25°C

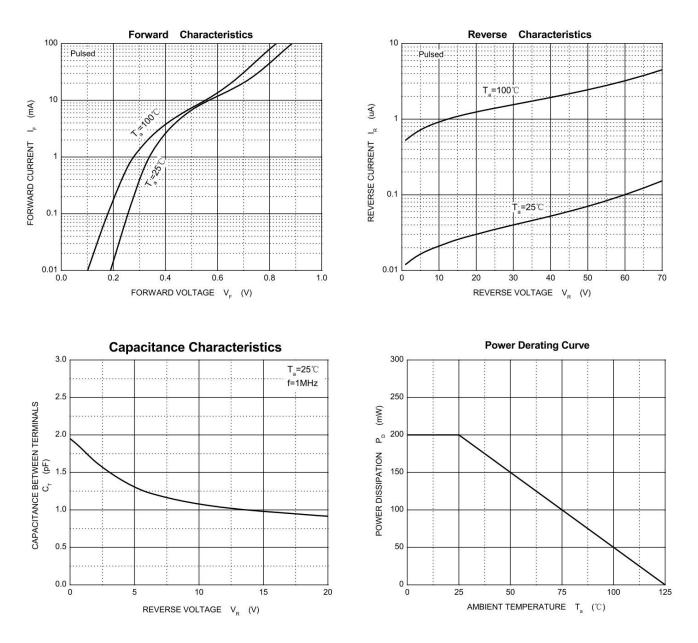
Symbol	Parameter	Value	Unit
Vr	DCVoltage	70	V
lf	ForwardContinuousCurrent	70	mA
IFSM	Non-RepetitivePeakForwardSurgeCurrent@ t=8.3ms	100	mA
PD	PowerDissipation	200	mW
Reja	ThermalResistanceJunctiontoAmbient	500	°C/W
TJ	OperatingJunctionTemperatureRange	-40~+125	°C
Tstg	StorageTemperatureRange	-55~+150	°C

ELECTRICALCHARACTERISTICS(Ta=25°C unless otherwise specified)

Parameter	Symbol	Testconditions	Min	Max	Unit
Reverse breakdown voltage	V _(BR)	I R = 10 u A	70		V
Reverse voltage leakage current	l r	V _R =50V		100	nA
Forward voltage	VF	IF=1mA IF=15mA		410 1000	mV
Diode cap acitance	CD	$V_R = 0Vf = 1MHz$		2	рF
Reveres recovery time	trr	IF= IR= 10 mA, Irr= 0.1 x IR, RL= 100Ω		5	ns

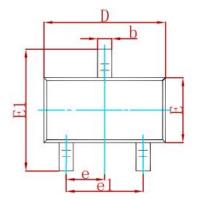


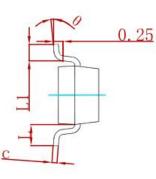
ELECTRICAL CHARACTERISTICS CURVE

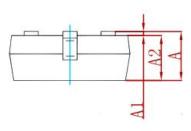




PACKAGE MECHANICAL DATA

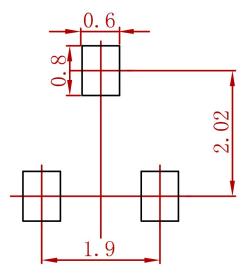






Symbol	Dimensions In Millimeters		Dimensions In Inches	
Symbol	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
С	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
е	0.950 TYP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