













MOV

GDT

PLED

BAS21/A/C/S

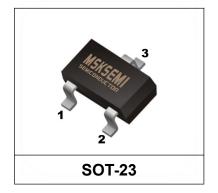
Product specification



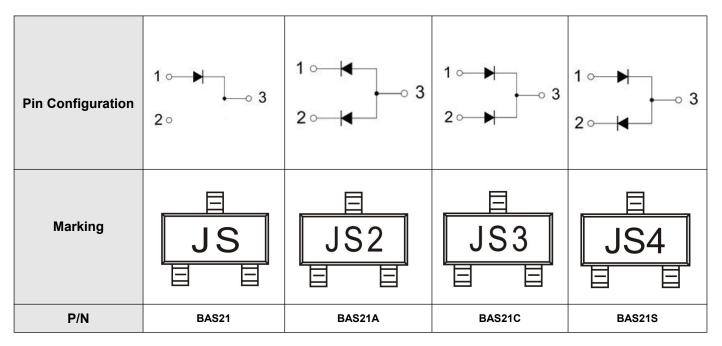


Features

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance



Reference News





Maximum Ratings @Ta=25°C

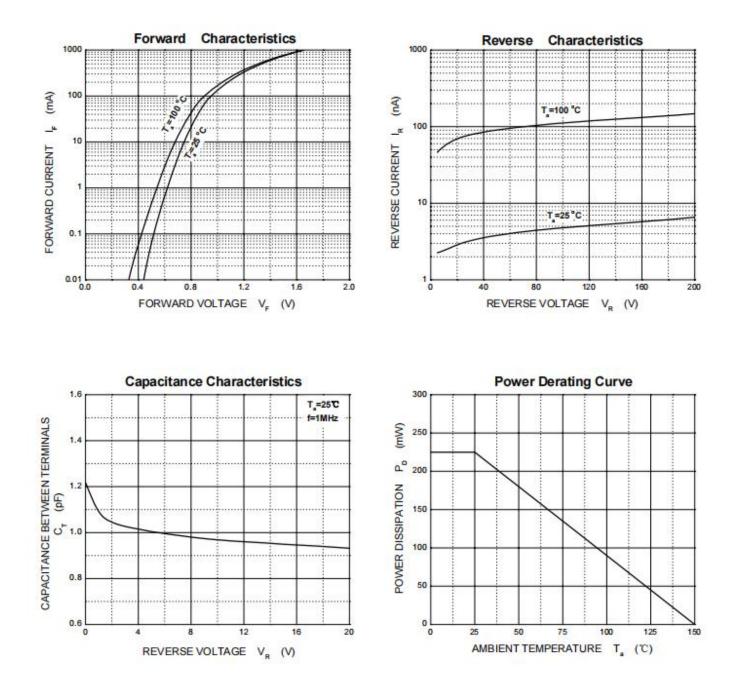
Parameter	Symbol	Limit	Unit
Repetitive peak reverse voltage	VRRM		
Working peak reverse voltage	VRWM	250	V
DC blocking voltage	VR		
Forward continuous current	I _{FM}	400	mA
Average rectified output current	lo	200	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	IFSM	2.5	Α
Repetitive peak forward surge current	IFRM	625	mA
Power dissipation	PD	225	mW
Thermal resistance junction to ambient	Reja	555	°C/W
Junction temperature	TJ	150	°C
Storage temperature range	Тѕтс	-55~+150	°C

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

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	V _(BR)	I _R = 100μA	250		V
Reverse voltage leakage current	IR	V _R = 200V		0.1	μA
Forward voltage	VF	I _F =100mA		1000	mV
		I _F =200mA		1250	mv
Diode capacitance	CD	V _R =0V, f=1MHz		5	pF
Reveres recovery time	t _{rr}	I _F =I _R =30mA,I _{rr} =0. 1×I _R , R _L =100 Ω		50	ns

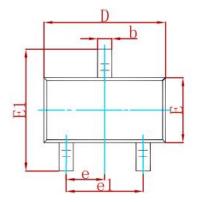


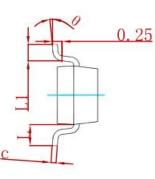
Typical Characteristics

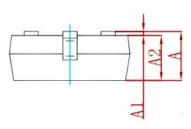




PACKAGE MECHANICAL DATA

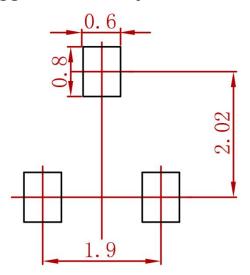






Symbol	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min	Max	Min	Max	
A	0.900	1.150	0.035	0.045	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.050	0.035	0.041	
b	0.300	0.500	0.012	0.020	
С	0.080	0.150	0.003	0.006	
D	2.800	3.000	0.110	0.118	
E	1.200	1.400	0.047	0.055	
E1	2.250	2.550	0.089	0.100	
е	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
BAS21/A/C/S	SOT-23	3000

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