

SEBAV99
Dual series Switching diode

Revision:A

Features

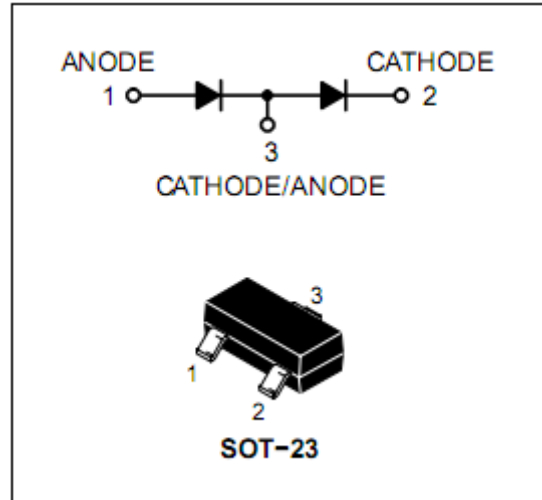
- Pb-free Packages are Available
- High reliability.

Applications

- High speed switching

Construction

- Silicon epitaxial planer



Absolute maximum ratings (Ta=25°C)

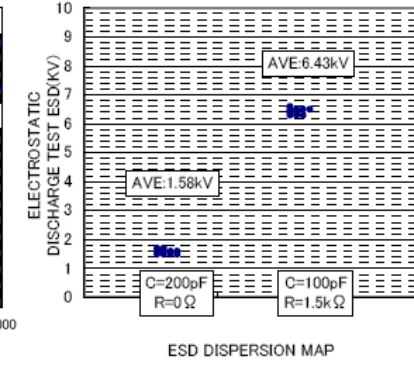
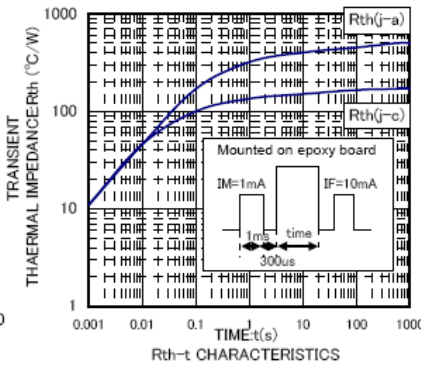
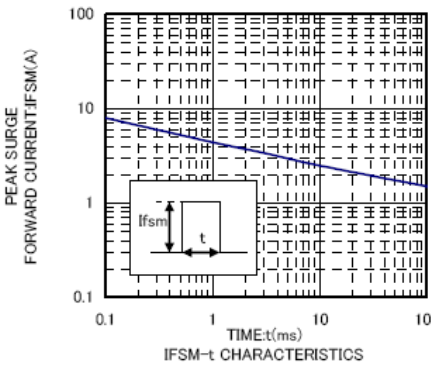
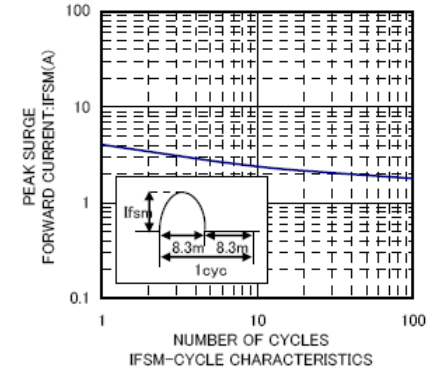
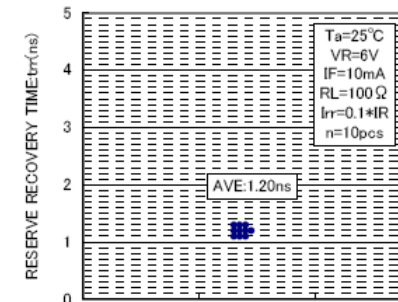
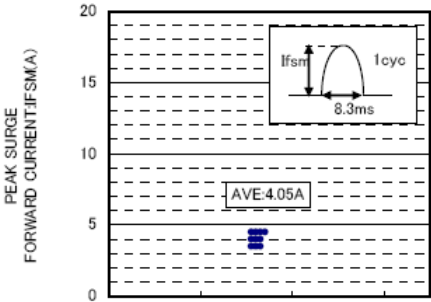
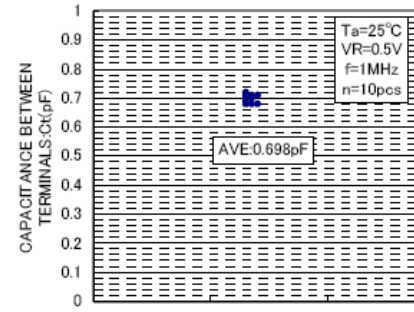
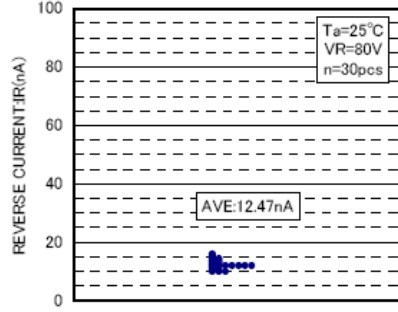
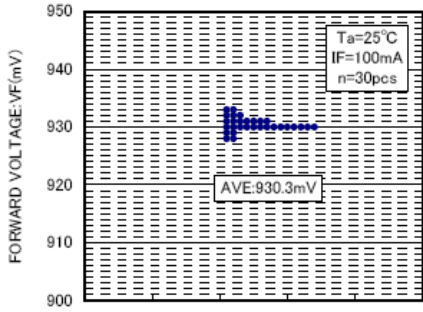
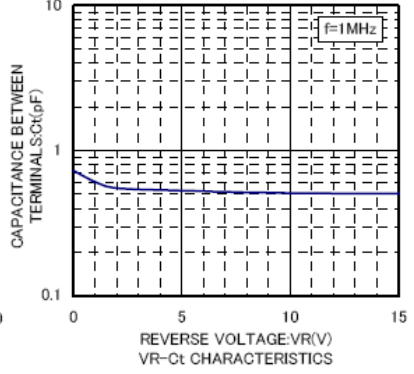
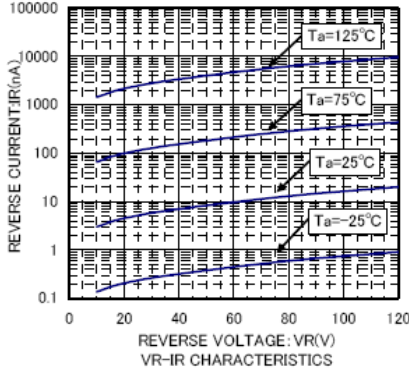
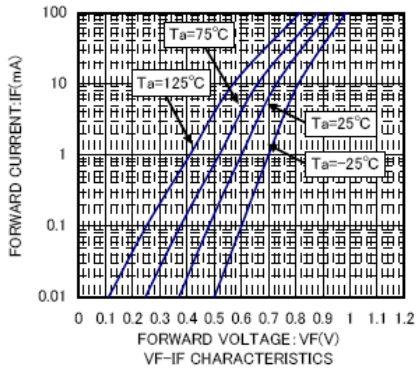
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	100	V
Reverse voltage (DC)	V_R	80	V
Forward voltage (repetitive peak)	I_{FM}	300	mA
Average rectified forward current	I_o	100	mA
Surge current (t=1s)	I_{surge}	500	mA
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

* 60Hz, 1 μ s

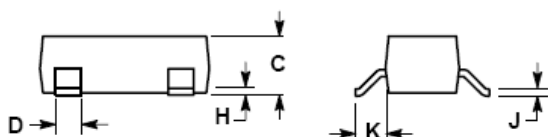
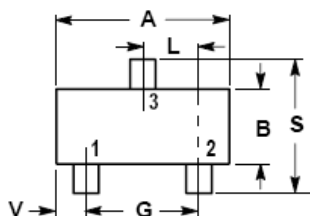
Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	—	—	1.2	V	$I_F = 100mA$
Reverse current	I_R	—	—	1.0	uA	$V_R = 80V$
Capacitance between terminal	C_t	—	—	3	pF	$V_R = 0.5V, f = 1MHz$
Reverse recovery time	t_{rr}	—	—	4	ns	$V_R = 6V, I_F = 10mA, R_L = 100\Omega$

- Please pay attention to static electricity when handling.



SOT-23



NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M,1982
2. CONTROLLING DIMENSION: INCH.

DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.1102	0.1197	2.80	3.04
B	0.0472	0.0551	1.20	1.40
C	0.0350	0.0440	0.89	1.11
D	0.0150	0.0200	0.37	0.50
G	0.0701	0.0807	1.78	2.04
H	0.0005	0.0040	0.013	0.100
J	0.0034	0.0070	0.085	0.177
K	0.0140	0.0285	0.35	0.69
L	0.0350	0.0401	0.89	1.02
S	0.0830	0.1039	2.10	2.64
V	0.0177	0.0236	0.45	0.60

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