

**SEBAV99**  
**Dual series Switching diode**

Revision:A

**Features**

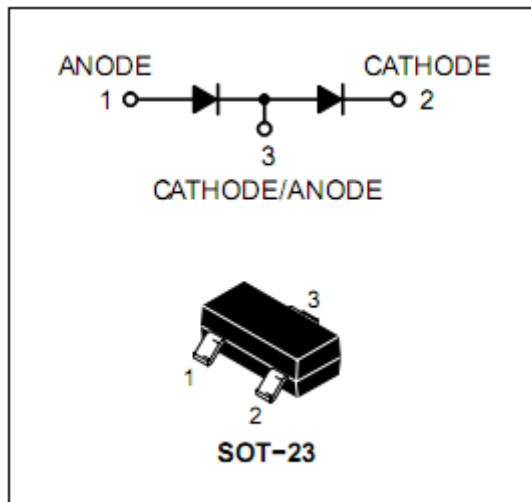
- Pb-free Packages are Available
- High reliability.

**Applications**

- High speed switching

**Construction**

- Silicon epitaxial planer



**Absolute maximum ratings (Ta=25°C)**

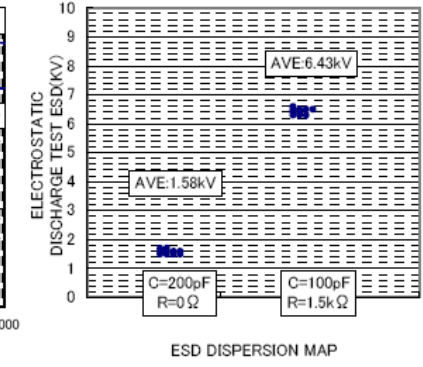
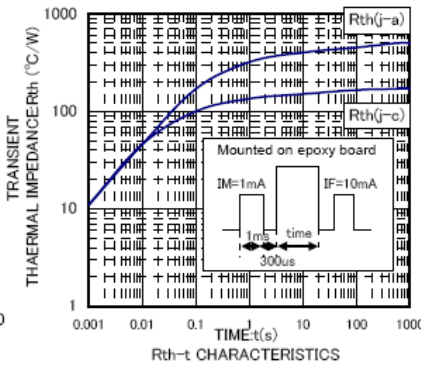
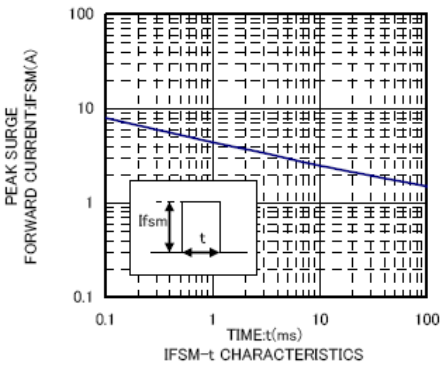
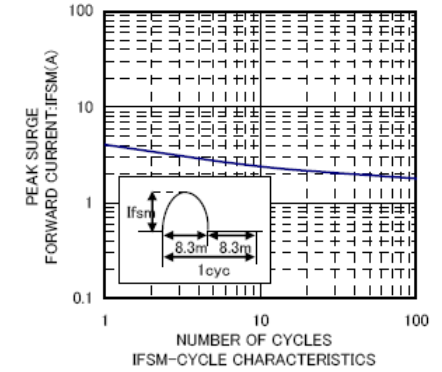
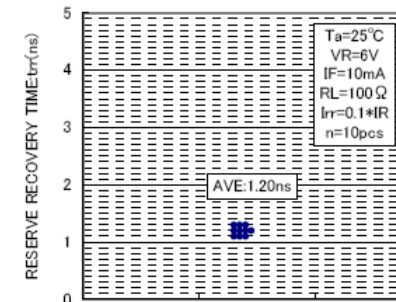
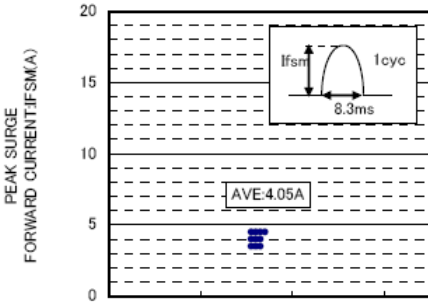
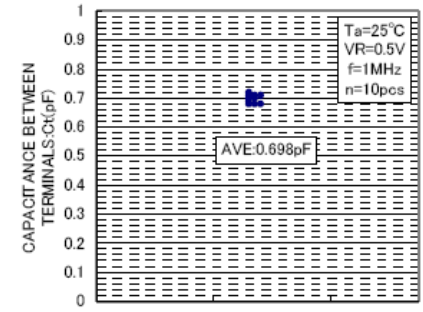
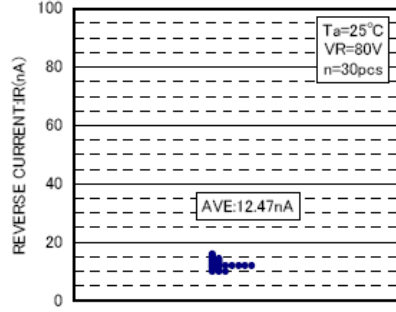
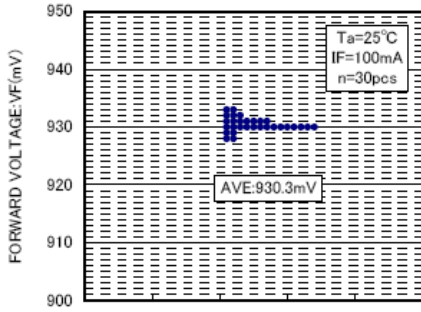
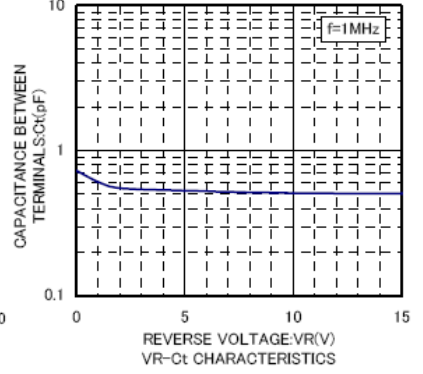
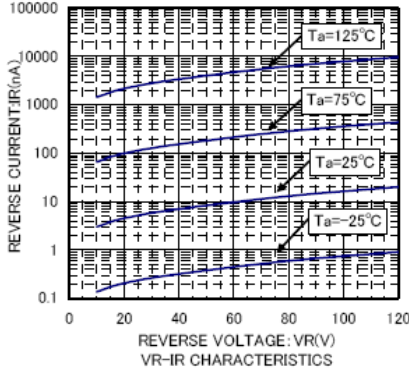
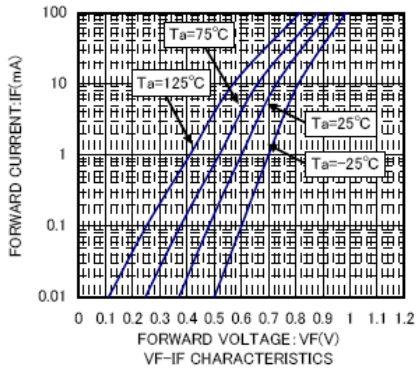
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	100	V
Reverse voltage (DC)	$V_R$	80	V
Forward voltage (repetitive peak)	$I_{FM}$	300	mA
Average rectified forward current	$I_o$	100	mA
Surge current (t=1s)	$I_{surge}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature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

\* 60Hz, 1 $\mu$ s

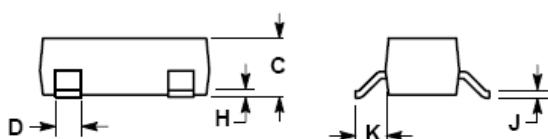
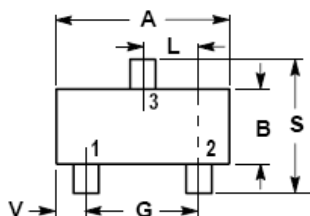
**Electrical characteristics (Ta=25°C)**

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:

- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982
- 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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