

● **Applications**

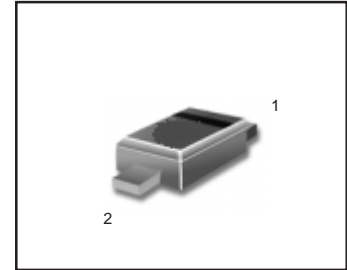
Constant voltage control

● **Features**

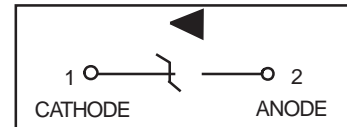
- 1) 2-pin ultra mini-mold type for high-density mounting .
- 2) High reliability.
- 3) Can be mounted automatically, using chip mounter.
- 4) We declare that the material of product compliance with RoHS requirements and Halogen Free.
- 5) Pb-Free package is available

● **Construction**

Silicon epitaxial planar



SOD-523



● **ORDERING INFORMATION**

Device	Package	Shipping
EDZ2.4BPT1G Series	SOD-523	3000/Tape&Reel
EDZ2.4BPT5G Series	SOD-523	8000/Tape&Reel

● **Absolute maximum ratings**

Parameter	Symbol	Limits	Unit
Power dissipation	P_D	300	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C
Operating temperature	T_{opr}	-55 to +150	°C

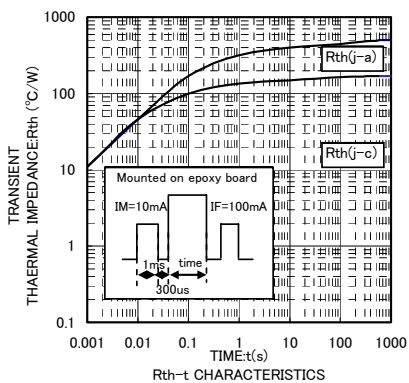
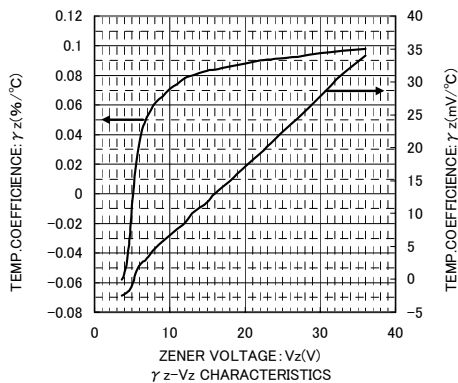
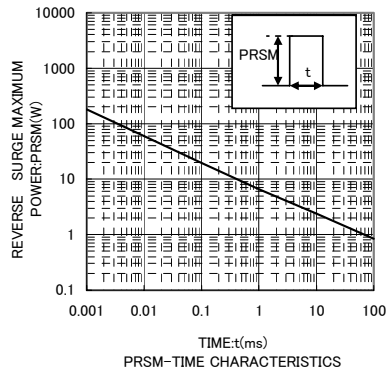
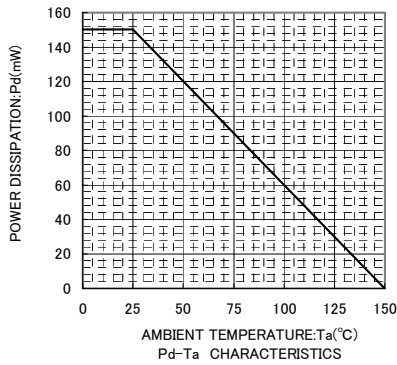
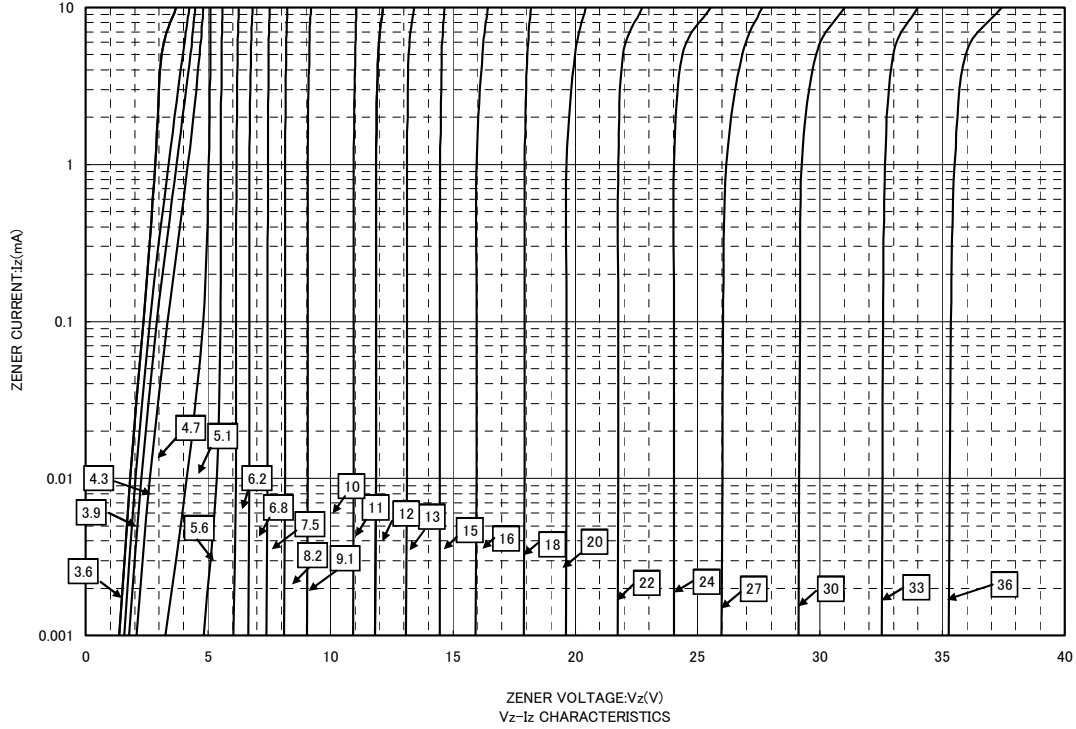
● **Type No.**

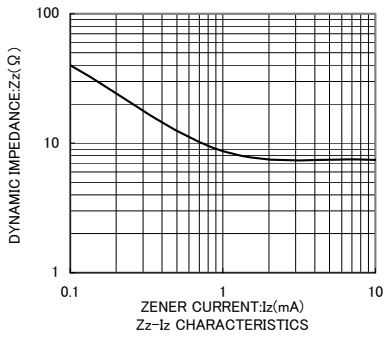
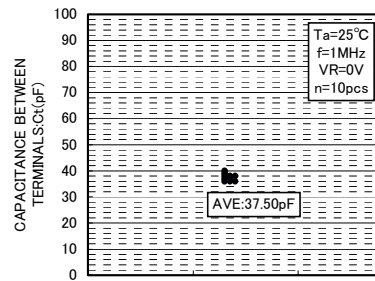
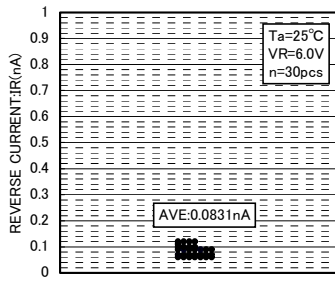
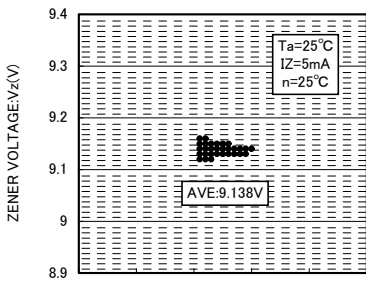
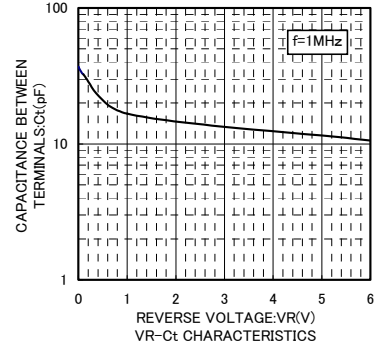
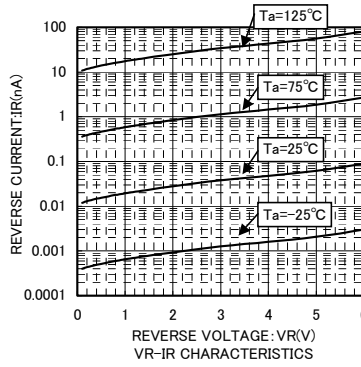
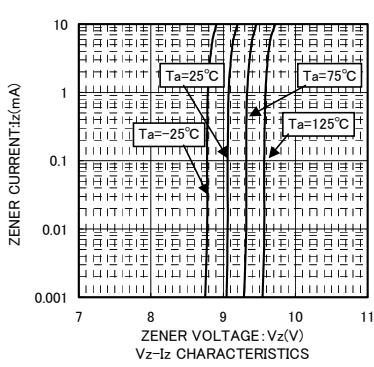
TYPE	TYPE NO.	TYPE	TYPE NO.
EDZ2.4BPT1G	22	EDZ10BPT1G	05
EDZ2.7BPT1G	32	EDZ11BPT1G	15
EDZ3.0BPT1G	42	EDZ12BPT1G	25
EDZ3.3BPT1G	52	EDZ13BPT1G	35
EDZ3.6BPT1G	62	EDZ15BPT1G	45
EDZ3.9BPT1G	72	EDZ16BPT1G	55
EDZ4.3BPT1G	82	EDZ18BPT1G	65
EDZ4.7BPT1G	92	EDZ20BPT1G	75
EDZ5.1BPT1G	A2	EDZ22BPT1G	85
EDZ5.6BPT1G	C2	EDZ24BPT1G	95
EDZ6.2BPT1G	E2	EDZ27BPT1G	A5
EDZ6.8BPT1G	F2	EDZ30BPT1G	C5
EDZ7.5BPT1G	H2	EDZ33BPT1G	E5
EDZ8.2BPT1G	J2	EDZ36BPT1G	F5
EDZ9.1BPT1G	L2		

Electrical characteristics (Ta=25°C)

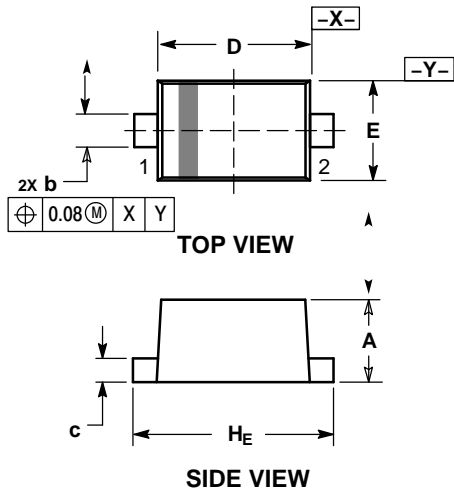
TYP.	Symbol								
	Zener voltage : Vz(V)			Operating resistance : Zz(Ω)		Rising operating resistance : Zz(Ω)		Reverse current : IR(uA)	
	MIN.	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	VR(V)
EDZ2.4BPT1G	2.43	2.63	5.0	100	5.0	1000.0	0.5	100	1.0
EDZ2.7BPT1G	2.69	2.91	5.0	110	5.0	1000.0	0.5	100	1.0
EDZ3.0BPT1G	3.01	3.22	5.0	120	5.0	1000.0	0.5	50	1.0
EDZ3.3BPT1G	3.32	3.53	5.0	120	5.0	1000.0	0.5	20	1.0
EDZ3.6BPT1G	3.600	3.845	5.0	100	5.0	1000.0	1.0	10.0	1.0
EDZ3.9BPT1G	3.890	4.160	5.0	100	5.0	1000.0	1.0	5.0	1.0
EDZ4.3BPT1G	4.170	4.430	5.0	100	5.0	1000.0	1.0	5.0	1.0
EDZ4.7BPT1G	4.550	4.750	5.0	100	5.0	800.0	0.5	2.0	1.0
EDZ5.1BPT1G	4.980	5.200	5.0	80	5.0	500.0	0.5	2.0	1.5
EDZ5.6BPT1G	5.490	5.730	5.0	60	5.0	200.0	0.5	1.0	2.5
EDZ6.2BPT1G	6.060	6.330	5.0	60	5.0	100.0	0.5	1.0	3.0
EDZ6.8BPT1G	6.650	6.930	5.0	40	5.0	60.0	0.5	0.5	3.5
EDZ7.5BPT1G	7.280	7.600	5.0	30	5.0	60.0	0.5	0.5	4.0
EDZ8.2BPT1G	8.020	8.360	5.0	30	5.0	60.0	0.5	0.5	5.0
EDZ9.1BPT1G	8.850	9.230	5.0	30	5.0	60.0	0.5	0.5	6.0
EDZ10BPT1G	9.770	10.210	5.0	30	5.0	60.0	0.5	0.1	7.0
EDZ11BPT1G	10.760	11.220	5.0	30	5.0	60.0	0.5	0.1	8.0
EDZ12BPT1G	11.740	12.240	5.0	30	5.0	80.0	0.5	0.1	9.0
EDZ13BPT1G	12.910	13.490	5.0	37	5.0	80.0	0.5	0.1	10.0
EDZ15BPT1G	14.340	14.980	5.0	42	5.0	80.0	0.5	0.1	11.0
EDZ16BPT1G	15.850	16.510	5.0	50	5.0	80.0	0.5	0.1	12.0
EDZ18BPT1G	17.560	18.350	5.0	65	5.0	80.0	0.5	0.1	13.0
EDZ20BPT1G	19.520	20.390	5.0	85	5.0	100.0	0.5	0.1	15.0
EDZ22BPT1G	21.540	22.470	5.0	100	5.0	100.0	0.5	0.1	17.0
EDZ24BPT1G	23.720	24.780	5.0	120	5.0	120.0	0.5	0.1	19.0
EDZ27BPT1G	26.190	27.530	2.0	150	2.0	150.0	0.5	0.1	21.0
EDZ30BPT1G	29.190	30.690	2.0	200	2.0	200.0	0.5	0.1	23.0
EDZ33BPT1G	32.150	33.790	2.0	250	2.0	250.0	0.5	0.1	25.0
EDZ36BPT1G	35.070	36.870	2.0	300	2.0	300.0	0.5	0.1	27.0

●Electrical characteristic curves (Ta=25°C)





SC-79/SOD-523



NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.

DIM	MILLIMETERS		
	MIN	NOM	MAX
A	0.50	0.60	0.70
b	0.25	0.30	0.35
c	0.07	0.14	0.20
D	1.10	1.20	1.30
E	0.70	0.80	0.90
H _E	1.50	1.60	1.70
L	0.30 REF		
L2	0.15	0.20	0.25

RECOMMENDED
 SOLDERING FOOTPRINT*

