Zener diode

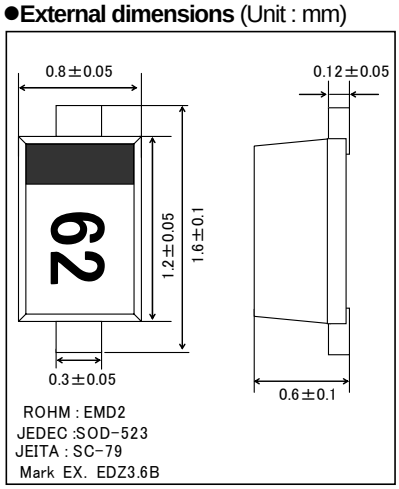
EDZ6.2B

●**Applications**
Constant voltage control

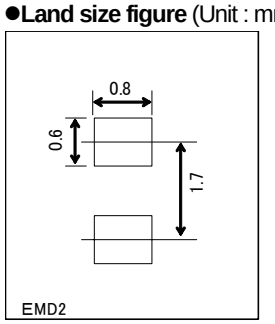
●**Features**
1) 2-pin ultra mini-mold type for high-density mounting (EMD2).
2) High reliability.
3) Can be mounted automatically, using chip mounter.

●**Construction**
Silicon epitaxial planar

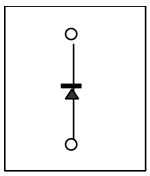
●**External dimensions** (Unit : mm)



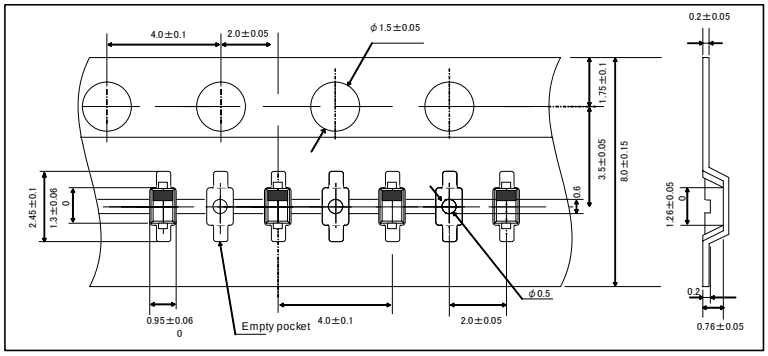
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping specifications** (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Power dissipation	P	150	mW
Junction temperature	Tj	150	℃
Storage temperature	Tstg	-55 to +150	℃
Operating temperature	Topr	-55 to +150	℃

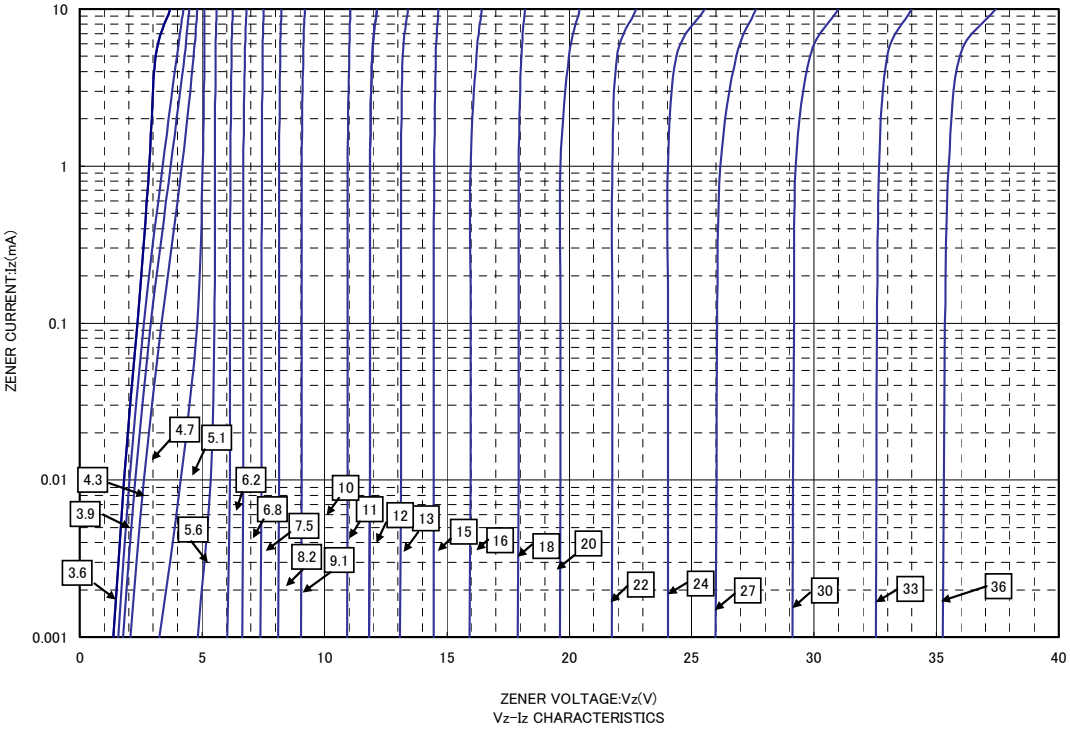
●**Electrical characteristics** (Ta=25°C)

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)
EDZ 3.6B	3.600	3.845	5.0	100	5.0	1000.0	1.0	10.0	1.0
EDZ 3.9B	3.890	4.160	5.0	100	5.0	1000.0	1.0	5.0	1.0
EDZ 4.3B	4.170	4.430	5.0	100	5.0	1000.0	1.0	5.0	1.0
EDZ 4.7B	4.550	4.750	5.0	100	5.0	800.0	0.5	2.0	1.0
EDZ 5.1B	4.980	5.200	5.0	80	5.0	500.0	0.5	2.0	1.5
EDZ 5.6B	5.490	5.730	5.0	60	5.0	200.0	0.5	1.0	2.5
EDZ 6.2B	6.060	6.330	5.0	60	5.0	100.0	0.5	1.0	3.0
EDZ 6.8B	6.650	6.930	5.0	40	5.0	60.0	0.5	0.5	3.5
EDZ 7.5B	7.280	7.600	5.0	30	5.0	60.0	0.5	0.5	4.0
EDZ 8.2B	8.020	8.360	5.0	30	5.0	60.0	0.5	0.5	5.0
EDZ 9.1B	8.850	9.230	5.0	30	5.0	60.0	0.5	0.5	6.0
EDZ 10B	9.770	10.210	5.0	30	5.0	60.0	0.5	0.1	7.0
EDZ 11B	10.760	11.220	5.0	30	5.0	60.0	0.5	0.1	8.0
EDZ 12B	11.740	12.240	5.0	30	5.0	80.0	0.5	0.1	9.0
EDZ 13B	12.910	13.490	5.0	37	5.0	80.0	0.5	0.1	10.0
EDZ 15B	14.340	14.980	5.0	42	5.0	80.0	0.5	0.1	11.0
EDZ 16B	15.850	16.510	5.0	50	5.0	80.0	0.5	0.1	12.0
EDZ 18B	17.560	18.350	5.0	65	5.0	80.0	0.5	0.1	13.0
EDZ 20B	19.520	20.390	5.0	85	5.0	100.0	0.5	0.1	15.0
EDZ 22B	21.540	22.470	5.0	100	5.0	100.0	0.5	0.1	17.0
EDZ 24B	23.720	24.780	5.0	120	5.0	120.0	0.5	0.1	19.0
EDZ 27B	26.190	27.530	2.0	150	2.0	150.0	0.5	0.1	21.0
EDZ 30B	29.190	30.690	2.0	200	2.0	200.0	0.5	0.1	23.0
EDZ 33B	32.150	33.790	2.0	250	2.0	250.0	0.5	0.1	25.0
EDZ 36B	35.070	36.870	2.0	300	2.0	300.0	0.5	0.1	27.0

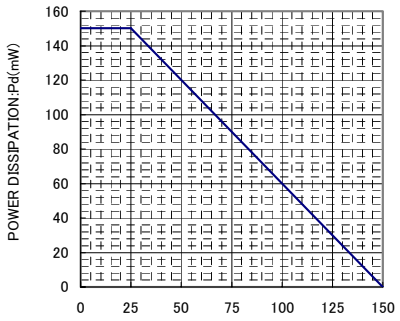
●**Type No.**

TYPE	TYPE NO.	TYPE	TYPE NO.
EDZ 3.6B	62	EDZ 12B	25
EDZ 3.9B	72	EDZ 13B	35
EDZ 4.3B	82	EDZ 15B	45
EDZ 4.7B	92	EDZ 16B	55
EDZ 5.1B	A2	EDZ 18B	65
EDZ 5.6B	C2	EDZ 20B	75
EDZ 6.2B	E2	EDZ 22B	85
EDZ 6.8B	F2	EDZ 24B	95
EDZ 7.5B	H2	EDZ 27B	A5
EDZ 8.2B	J2	EDZ 30B	C5
EDZ 9.1B	L2	EDZ 33B	E5
EDZ 10B	05	EDZ 36B	F5
EDZ 11B	15		

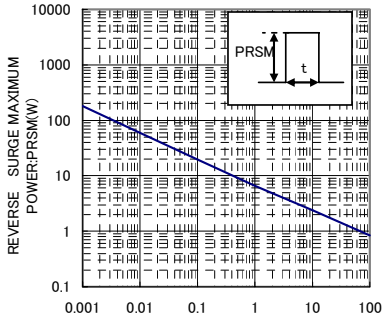
●**Electrical characteristic curves** (Ta=25°C)



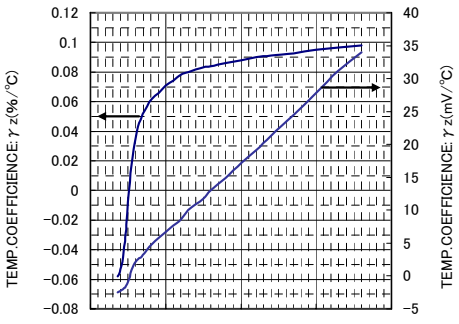
Vz-Iz CHARACTERISTICS



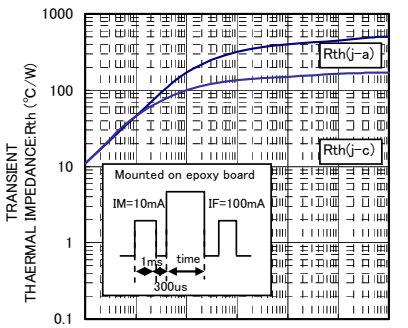
Pd-Ta CHARACTERISTICS



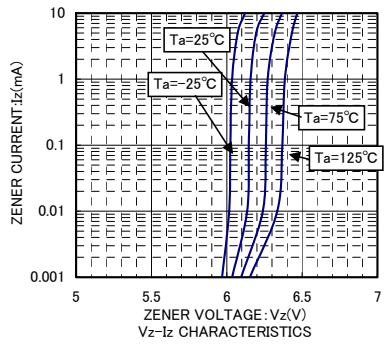
PRSM-TIME CHARACTERISTICS

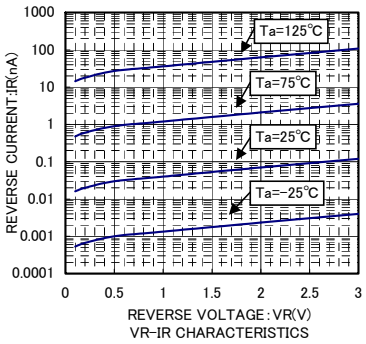


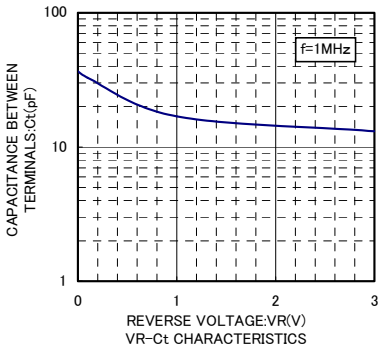
γz-Vz CHARACTERISTICS

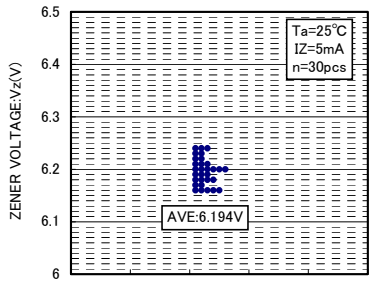


Rth-t CHARACTERISTICS

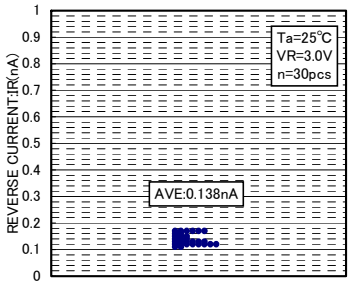




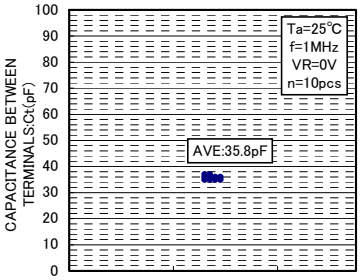




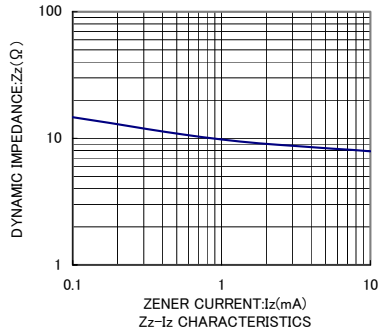
Vz DISPERSION MAP



IR DISPERSION MAP



Ct DISPERSION MAP



Notes

- No technical content pages of this document may be reproduced in any form or transmitted by any means without prior permission of ROHM CO.,LTD.
- The contents described herein are subject to change without notice. The specifications for the product described in this document are for reference only. Upon actual use, therefore, please request that specifications to be separately delivered.
- Application circuit diagrams and circuit constants contained herein are shown as examples of standard use and operation. Please pay careful attention to the peripheral conditions when designing circuits and deciding upon circuit constants in the set.
- Any data, including, but not limited to application circuit diagrams information, described herein are intended only as illustrations of such devices and not as the specifications for such devices. ROHM CO.,LTD. disclaims any warranty that any use of such devices shall be free from infringement of any third party's intellectual property rights or other proprietary rights, and further, assumes no liability of whatsoever nature in the event of any such infringement, or arising from or connected with or related to the use of such devices.
- Upon the sale of any such devices, other than for buyer's right to use such devices itself, resell or otherwise dispose of the same, no express or implied right or license to practice or commercially exploit any intellectual property rights or other proprietary rights owned or controlled by
- ROHM CO., LTD. is granted to any such buyer.
- Products listed in this document are no antiradiation design.

The products listed in this document are designed to be used with ordinary electronic equipment or devices (such as audio visual equipment, office-automation equipment, communications devices, electrical appliances and electronic toys).
Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.

About Export Control Order in Japan

Products described herein are the objects of controlled goods in Annex 1 (Item 16) of Export Trade Control Order in Japan.
In case of export from Japan, please confirm if it applies to "objective" criteria or an "informed" (by MITI clause) on the basis of "catch all controls for Non-Proliferation of Weapons of Mass Destruction.