Zener diode

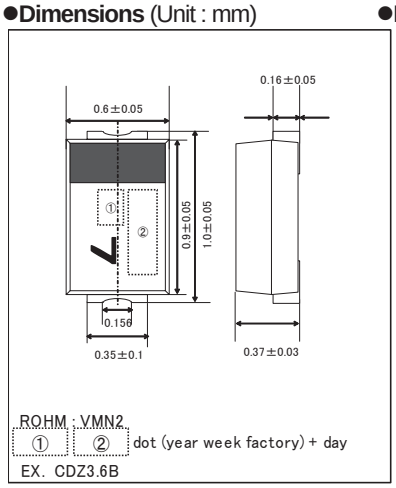
CDZ3.6B

●**Applications**
Constant voltage control

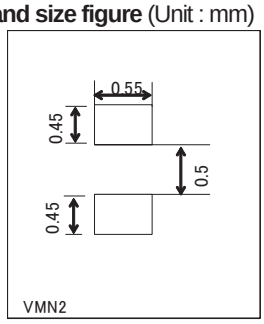
●**Features**
1) 2-pin ultra mini-mold type for high-density mounting (VMN2).
2) High reliability.
3) Can be mounted automatically, using chip mounter.

●**Construction**
Silicon epitaxial planar

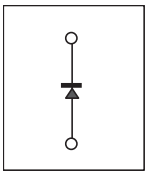
●**Dimensions** (Unit : mm)



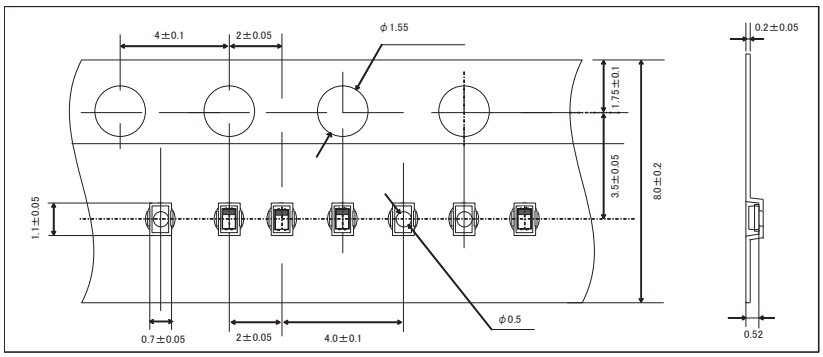
●**Land size figure** (Unit : mm)



●**Structure**



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



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

Parameter	Symbol	Limits	Unit
Power dissipation	P	100	mW
Junction temperature	Tj	150	℃
Storage temperature	Tstg	-55 to +150	℃
Operating temperature	Topr	-55 to +150	℃

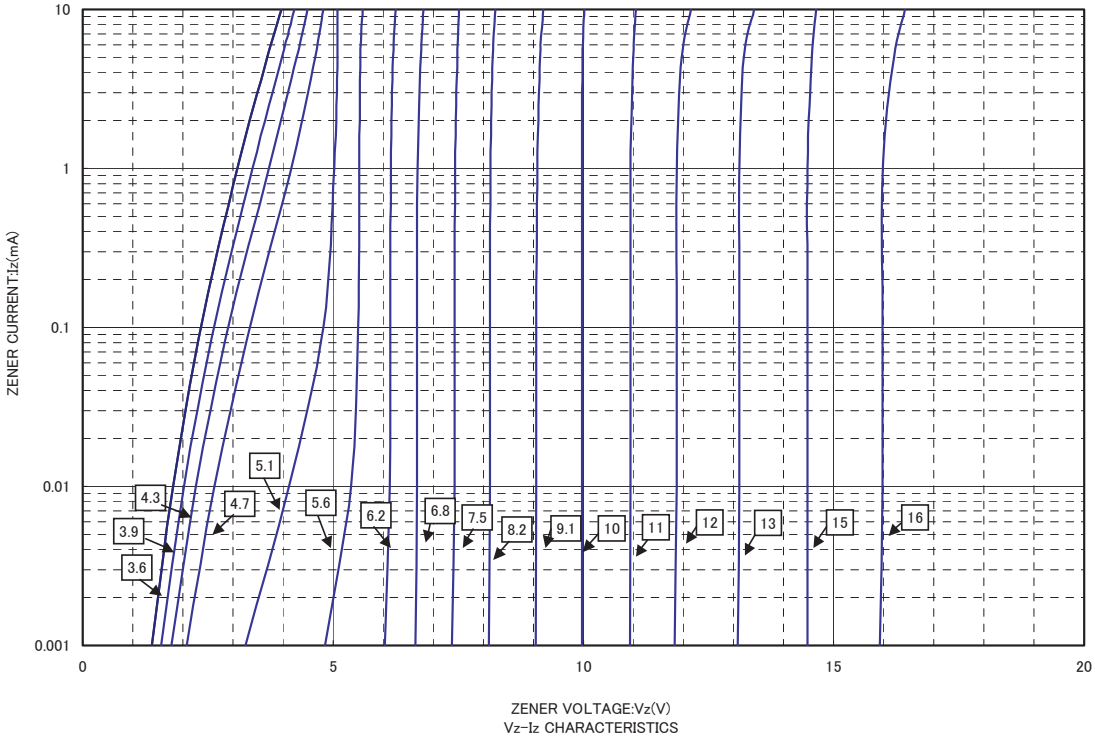
●**Electrical characteristics** (Ta=25°C)

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)
CDZ 3.6B	3.600	3.845	5.0	100	5.0	1000.0	1.0	10.0	1.0
CDZ 3.9B	3.890	4.160	5.0	100	5.0	1000.0	1.0	5.0	1.0
CDZ 4.3B	4.170	4.430	5.0	100	5.0	1000.0	1.0	5.0	1.0
CDZ 4.7B	4.550	4.750	5.0	100	5.0	800.0	0.5	2.0	1.0
CDZ 5.1B	4.980	5.200	5.0	80	5.0	500.0	0.5	2.0	1.5
CDZ 5.6B	5.490	5.730	5.0	60	5.0	200.0	0.5	1.0	2.5
CDZ 6.2B	6.060	6.330	5.0	60	5.0	100.0	0.5	1.0	3.0
CDZ 6.8B	6.650	6.930	5.0	40	5.0	60.0	0.5	0.5	3.5
CDZ 7.5B	7.280	7.600	5.0	30	5.0	60.0	0.5	0.5	4.0
CDZ 8.2B	8.020	8.360	5.0	30	5.0	60.0	0.5	0.5	5.0
CDZ 9.1B	8.850	9.230	5.0	30	5.0	60.0	0.5	0.5	6.0
CDZ 10B	9.770	10.210	5.0	30	5.0	60.0	0.5	0.1	7.0
CDZ 11B	10.760	11.220	5.0	30	5.0	60.0	0.5	0.1	8.0
CDZ 12B	11.740	12.240	5.0	30	5.0	80.0	0.5	0.1	9.0
CDZ 13B	12.910	13.490	5.0	37	5.0	80.0	0.5	0.1	10.0
CDZ 15B	14.340	14.980	5.0	42	5.0	80.0	0.5	0.1	11.0
CDZ 16B	15.850	16.510	5.0	50	5.0	80.0	0.5	0.1	12.0

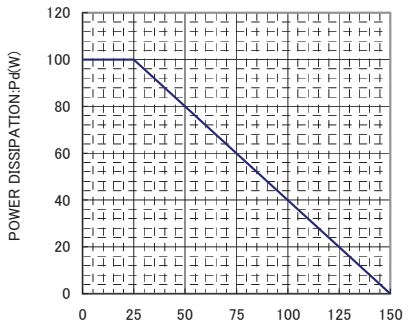
●**Type No.**

TYPE	TYPE NO.	TYPE	TYPE NO.
CDZ 3.6B	7	CDZ 8.2B	H
CDZ 3.9B	1	CDZ 9.1B	J
CDZ 4.3B	2	CDZ 10B	K
CDZ 4.7B	3	CDZ 11B	L
CDZ 5.1B	5	CDZ 12B	N
CDZ 5.6B	7	CDZ 13B	S
CDZ 6.2B	C	CDZ 15B	C
CDZ 6.8B	E	CDZ 16B	E
CDZ 7.5B	F		

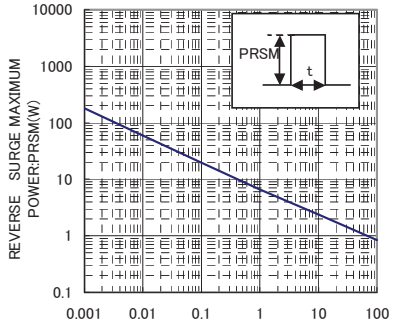
●**Electrical characteristic curves** (Ta=25°C)



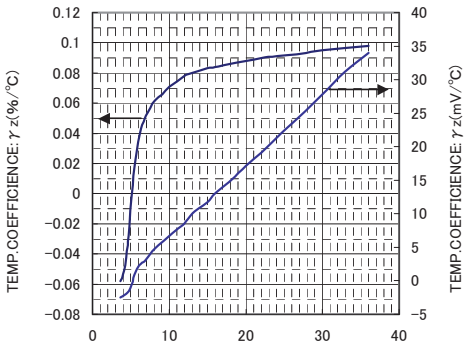
Vz-Iz CHARACTERISTICS



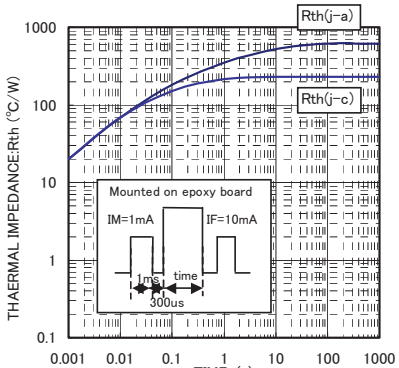
Pd-Ta CHARACTERISTICS



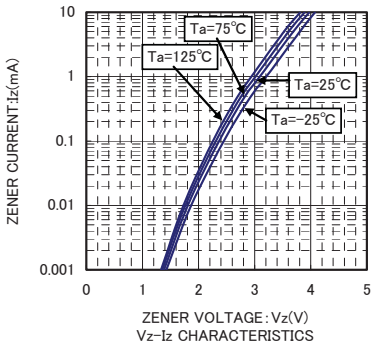
PRSM-TIME CHARACTERISTICS



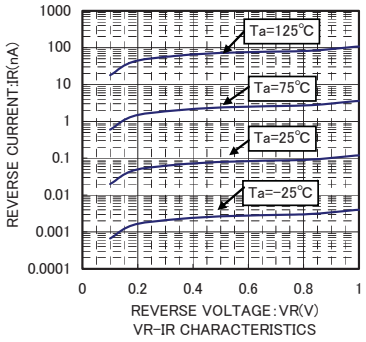
γz-Vz CHARACTERISTICS



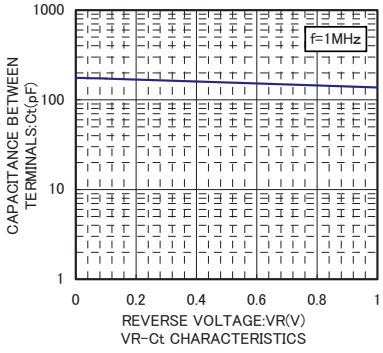
Rth-t CHARACTERISTICS



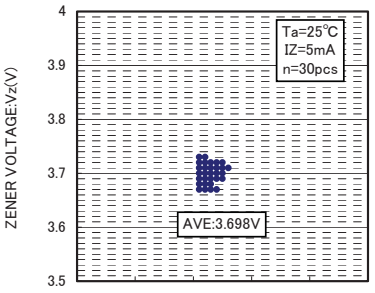
Vz–Iz CHARACTERISTICS



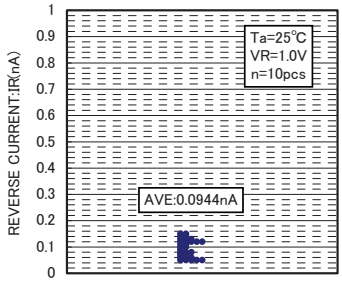
VR–IR CHARACTERISTICS



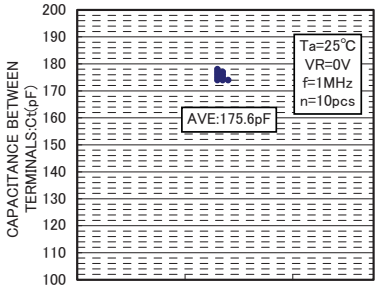
VR–Ct CHARACTERISTICS



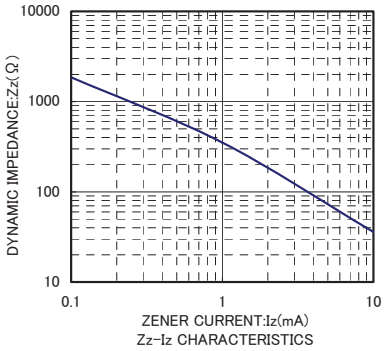
Vz DISPERSION MAP



IR DISPERSION MAP



Ct DISPERSION MAP



Zz–Iz CHARACTERISTICS

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