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Zener diode

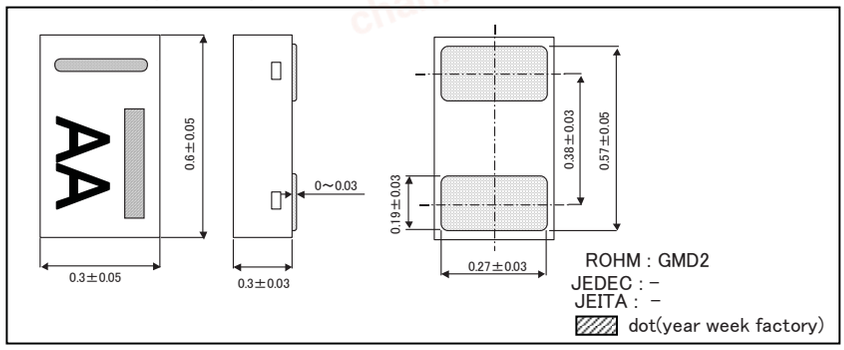
GDZ5.1

●**Applications**
Constant voltage control

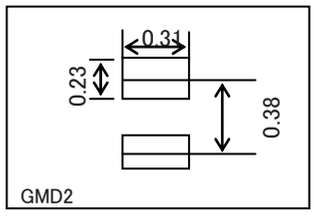
●**Features**
1) 2-pin ultra mini-mold type for high-density mounting(GMD2)
2) High reliability.
3) Can be mounted automatically,using chip mounter..

●**Construction**
Silicon epitaxial planar

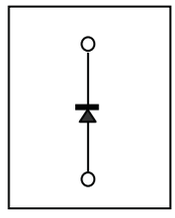
●**Dimensions** (Unit : mm)



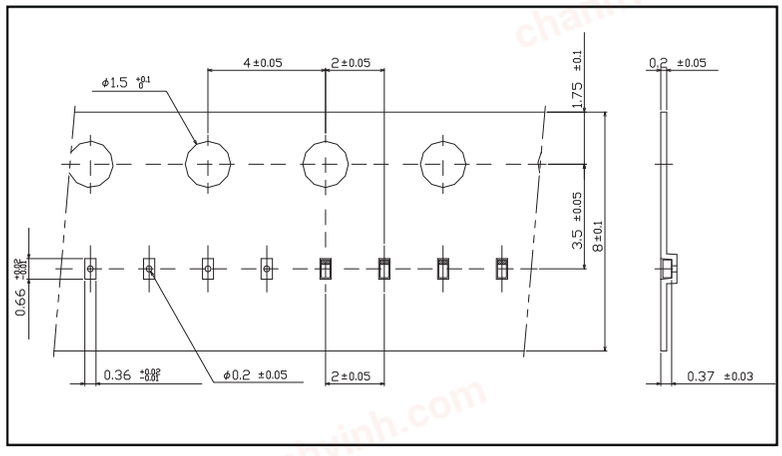
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping dimensions** (Unit : mm)



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

Parameter	Symbol	Limits	Unit
Power dissipation	P	100	mW
Junction temperature	Tj	125	℃
Storage temperature	Tstg	-55 to +125	℃
Operating temperature	Topr	-55 to +125	℃

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

TYP.	Symbol				
	Zener voltage : Vz(V)			Reverse current : IR(μA)	
	MIN.	MAX.	Iz(mA)	MAX.	VR(V)
GDZ 3.9	3.740	4.160	5.0	5.0	1.0
GDZ 4.7	4.420	4.900	5.0	2.0	1.0
GDZ 5.1	4.840	5.370	5.0	2.0	1.5
GDZ 5.6	5.310	5.920	5.0	1.0	2.5
GDZ 6.2	5.860	6.530	5.0	1.0	3.0
GDZ 6.8	6.470	7.140	5.0	0.5	3.5
GDZ 7.5	7.060	7.840	5.0	0.5	4.0
GDZ 8.2	7.760	8.640	5.0	0.5	5.0

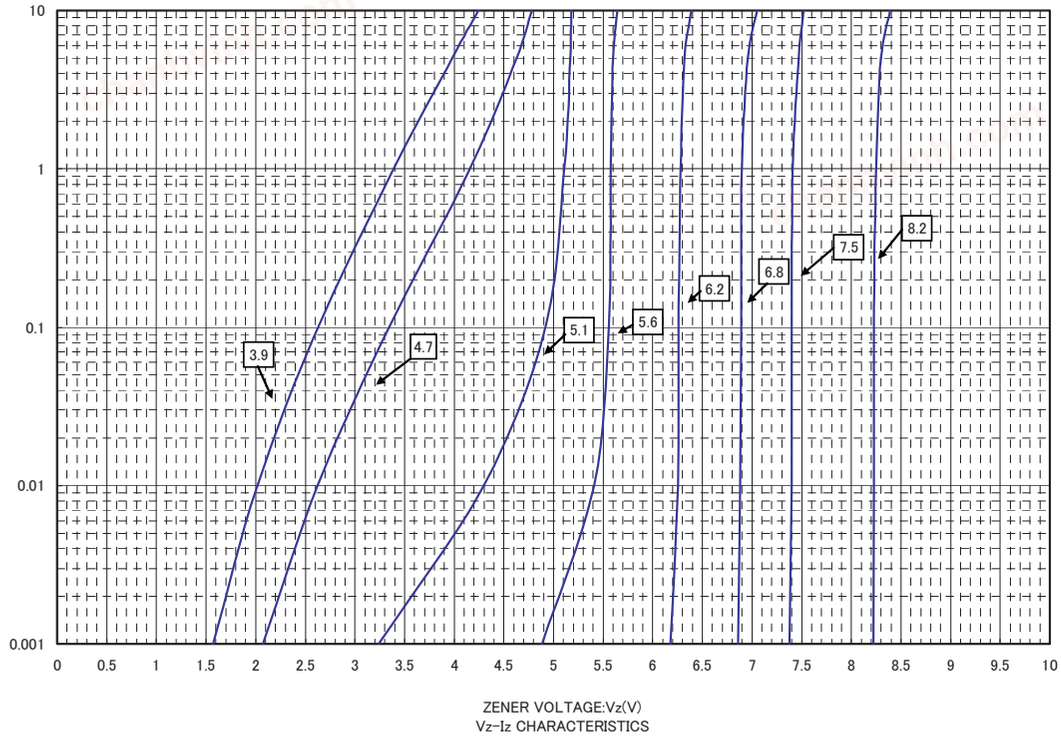
(1)The zener voltage(Vz) is measured 40ms after power is supplied.

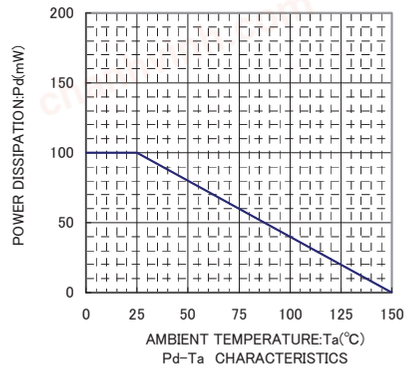
●**MARKING** (Type No.)

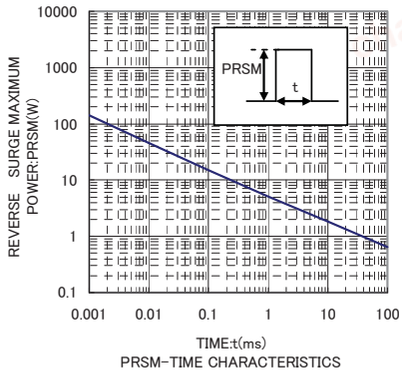
TYPE	TYPE NO.
GDZ 3.9	LA
GDZ 4.7	AA
GDZ 5.1	DA
GDZ 5.6	EA
GDZ 6.2	FA
GDZ 6.8	HA
GDZ 7.5	JA
GDZ 8.2	KA

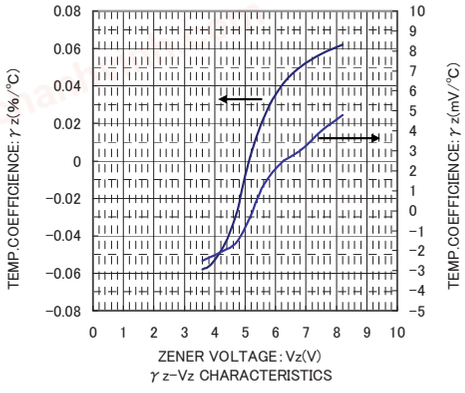
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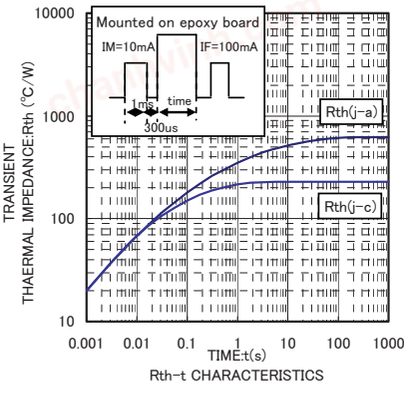
●Electrical characteristic curves





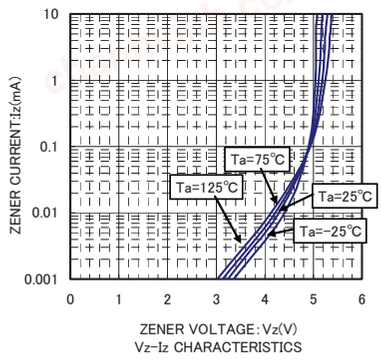


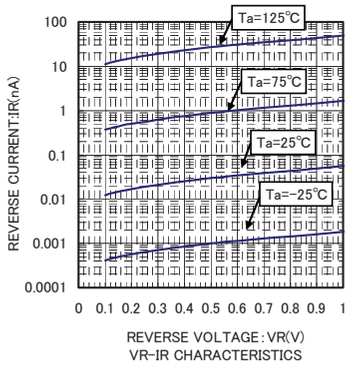


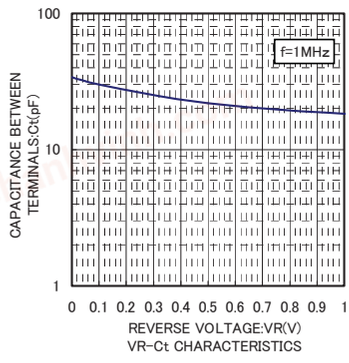


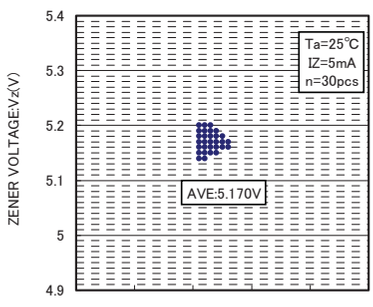
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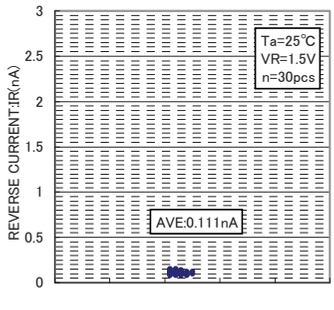
●**Electrical characteristic curves** (Ta=25°C)

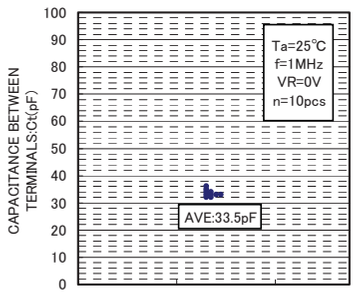












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