Ordering number:EN1349C

GZB2.0 to 36

Silicon Planar Type

1.0W Zener Diode

Features

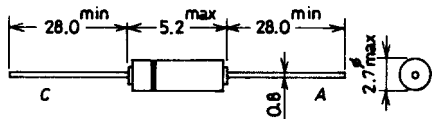
- Glass sleeve structure.
- Voltage regulator, surge absorber applications.
- Power dissipation : P=1.0mW.
- Zener voltage : V_Z=2.0 to 36 V.
- Small-sized package : JEDEC DO-41

Package Dimensions

unit:mm

1134

[GZB2.0 to 36]



C:Cathode
A:Anode

Specifications

Absolute Maximum Ratings at Ta = 25˚C

Parameter	Symbol	Conditions	Ratings	Unit
Power Dissipation	P		1	W
Junction Temperature	Tj		175	˚C
Storage Temperature	Tstg		–55 to +175	˚C

Electrical Characteristics at Ta = 25˚C

Type No.	Zener Characteristics							Reverse Current	
	Zener Voltage, V_Z [V] (t=30ms)				Dynamic Resistance r_d [Ω] f=1kHz		Messured Current	I_R	Messured Voltage V_R
	B		C						
	min	max	min	max	typ	max	[mA]	[μA]	[V]
GZB2.0	1.88	2.12	2.00	2.24	15	25	40	200	0.5
GZB2.2	2.08	2.33	2.20	2.45	12	20	40	200	0.7
GZB2.4	2.28	2.56	2.4	2.7	12	20	40	200	1
GZB2.7	2.5	2.9	2.7	3.1	9	15	40	200	1
GZB3.0	2.8	3.2	3.0	3.4	9	15	40	100	1
GZB3.3	3.1	3.5	3.3	3.7	9	15	40	80	1
GZB3.6	3.4	3.8	3.6	4.0	9	15	40	60	1
GZB3.9	3.7	4.1	3.9	4.4	9	15	40	40	1
GZB4.3	4.0	4.5	4.3	4.8	9	15	40	20	1
GZB4.7	4.4	4.9	4.7	5.2	7	10	40	20	1
GZB5.1	4.8	5.4	5.1	5.7	5	8	40	20	1
GZB5.6	5.3	6.0	5.6	6.3	5	8	40	20	1.5
GZB6.2	5.8	6.6	6.2	7.0	3	6	40	20	3
GZB6.8	6.4	7.2	6.8	7.7	3	6	40	20	3.5

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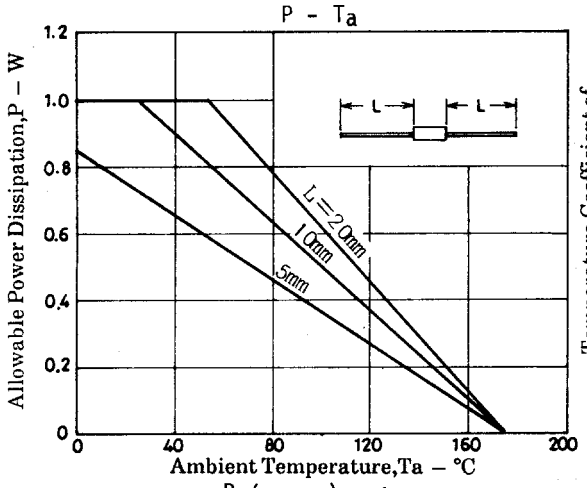
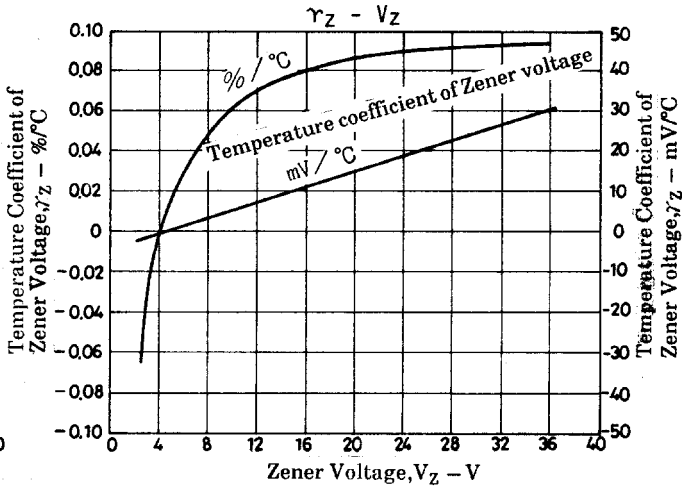
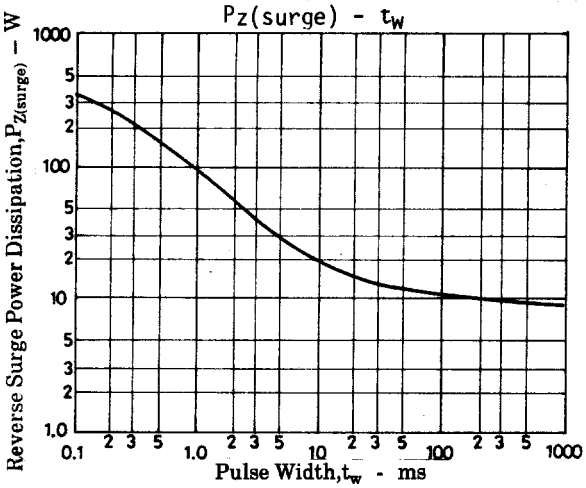
Electrical Characteristics at Ta = 25˚C

Type No.	Zener Characteristics							Reverse Current	
	Zener Voltage, V_Z [V] (t=30ms)				Dynamic Resistance r_d [Ω] f=1kHz		Messured Current	I_R	Messured Voltage V_R
	B		C						
	min	max	min	max	typ	max	[mA]	[μA]	[V]
GZB7.5	7.0	7.9	7.5	8.4	2	4	40	20	4
GZB8.2	7.7	8.7	8.2	9.3	2	4	40	20	5
GZB9.1	8.5	9.6	9.1	10.2	3	6	40	20	6
GZB10	9.4	10.6	10.0	11.2	3	6	40	10	7
GZB11	10.4	11.6	11.0	12.3	5	8	20	10	8
GZB12	11.4	12.6	12.0	13.5	5	8	20	10	9
GZB13	12.4	14.1	13.3	15.0	7	10	20	10	10
GZB15	13.8	15.6	14.7	16.5	7	10	20	0	11
GZB16	15.3	17.1	16.2	18.3	8	12	20	10	12
GZB18	16.8	19.1	18.0	20.3	8	12	20	10	13
GZB20	18.8	21.2	20.0	22.4	9	14	20	10	15
GZB22	20.8	23.3	22.0	24.5	9	14	10	10	17
GZB24	22.8	25.6	24.0	27.6	9	16	10	10	19
GZB27	25.1	28.9	27.0	30.8	9	16	10	10	21
GZB30	28.0	32.0	30.0	34.0	10	18	10	10	23
GZB33	31.0	35.0	33.0	37.0	10	18	10	10	25
GZB36	34.0	38.0	36.0	40.0	12	20	10	10	27







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