

# **DZB6.2 to DZB30**

Sillicon Diffused Junction Type

# 1.0W Zener Diodes

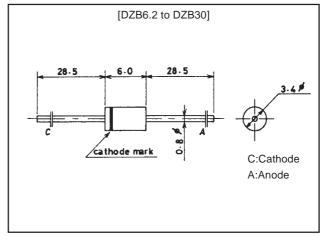
#### **Features**

- · Plastic molded structure.
- · Voltage regulator use.
- · Power dissipation:P=1.0W.
- · Zener voltage: $V_Z$ =6.2 to 30V

### **Package Dimensions**

unit:mm

1083



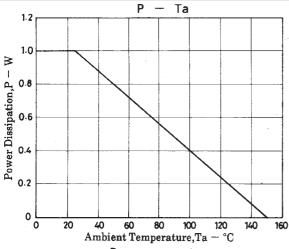
## **Specifications**

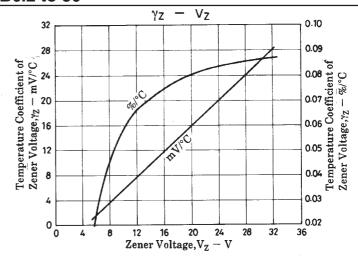
### Absolute Maximum Ratings at Ta = 25°C

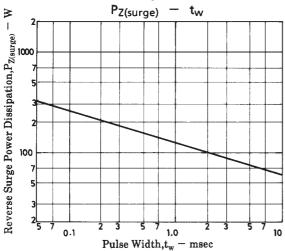
Parameter	Symbol	Conditions	Ratings	Unit
Power Dissipation	Р		1.0	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-40 to +150	°C

#### **Electrical Characteristics at Ta = 25°C**

Type No.	Zener Characteristics				Forward Voltage Drop		Reverse Current		
	Zener Voltage V <sub>Z</sub> [V]		Dynamic Resistance	Measured		Measured		Measured	
			[Ω]	Current I <sub>Z</sub>	V <sub>F</sub> [V]	Current [A]	l <sub>R</sub> [μΑ]	Voltage [V]	
	typ	min	max	max	[mA]	max		max	[.,]
DZB6.2U	6.2	5.60	6.80	60	-10	2	0.2	-10	-2.0
6.8C	6.8	6.45	7.14	60	-10	2	0.2	-10	-3.0
7.5C	7.5	7.13	7.81	30	-10	2	0.2	-10	-4.5
8.2C	8.2	7.79	8.61	30	-10	2	0.2	-10	-4.9
9.1C	9.1	8.65	9.55	30	-10	2	0.2	-10	-5.5
10C	10	9.50	10.50	30	-10	2	0.2	-10	-6.0
11C	11	10.50	11.50	30	-10	2	0.2	-10	-7.0
12C	12	11.40	12.60	30	-10	2	0.2	-10	-8.0
13C	13	12.40	13.60	30	-10	2	0.2	-10	-9.0
15C	15	14.30	15.80	30	-10	2	0.2	-10	-10.0
16C	16	15.20	16.80	30	-10	2	0.2	-10	-11.0
18C	18	17.10	18.90	30	-10	2	0.2	-10	-13.0
20C	20	19.00	21.00	30	-10	2	0.2	-10	-14.0
22C	22	20.90	23.10	30	-10	2	0.2	-10	-16.0
24C	24	22.80	25.20	30	-10	2	0.2	-10	-17.0
27C	27	25.70	28.30	30	-10	2	0.2	-10	-19.0
30C	30	28.50	31.50	30	-10	2	0.2	-10	-21.0







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