

**DZF6.8 to 36**

Silicon Diffused Junction Type

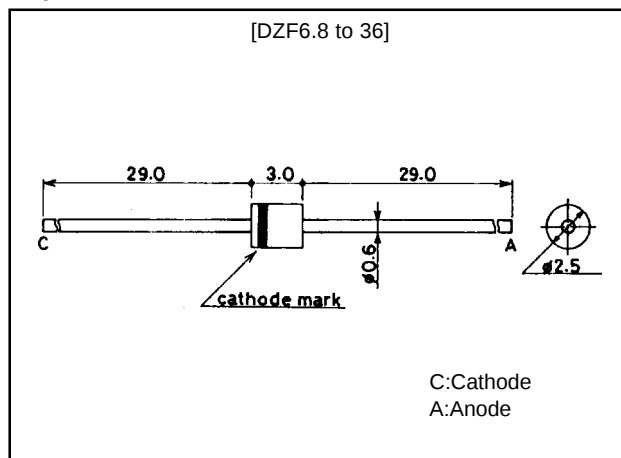
1W Zener Diode**Features**

- Plastic mold package.
- Voltage regulator use.
- Allowable power dissipation : P=1W.
- Subdivided voltage range : 6.8 to 36.
- Zener voltage tolerance : $\pm 10\%$.

Package Dimensions

unit:mm

1261

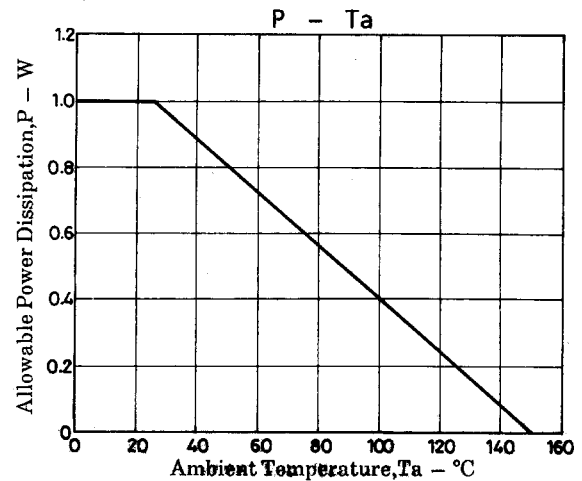
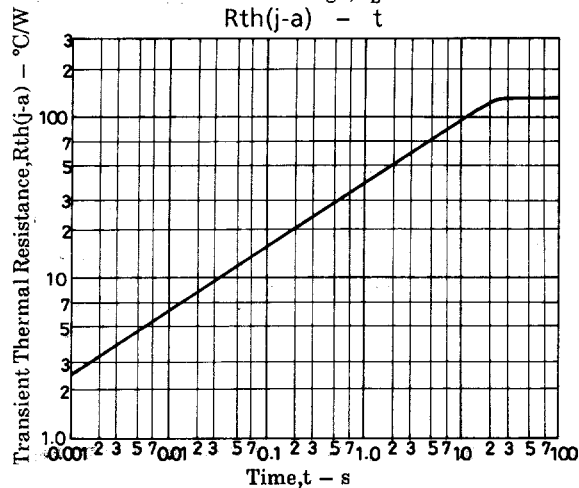
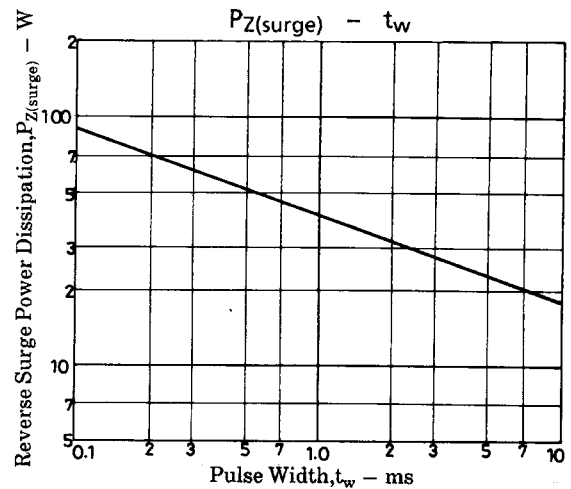
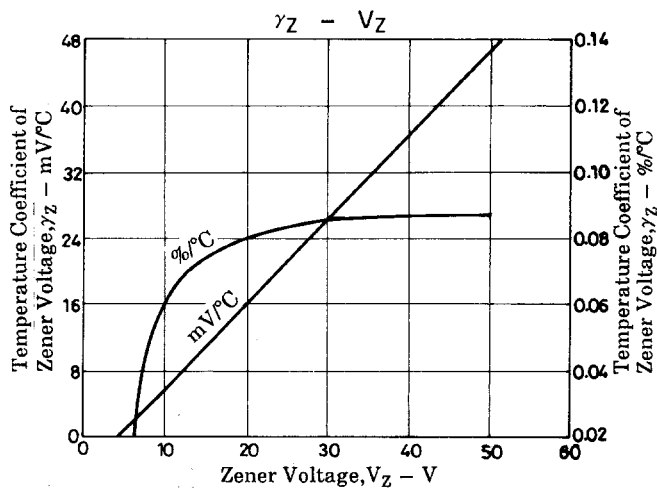
**Specifications****Absolute Maximum Ratings at Ta = 25°C**

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

DZF6.8 to 36

Electrical Characteristics at $T_a = 25^\circ\text{C}$

Type No.	Zener Characteristics					Temperature Coefficient γ_z		Forward Voltage Drop V_F [V]		Reverse Current I_R [μA] Voltage at which I_R is measured [V]	
	Zener Voltage V_Z [V]			Dynamic Resistance [Ω]	Current at which V_Z , r_d are measured I_Z [mA]						
						[mV/°C]					
	min	typ	max	max		typ	max	max			
DZF6.8	6.2	6.8	7.4	60	10	3	4	1.2	0.2	10	3.0
DZF7.5	6.8	7.5	8.3	30	10	4	5	1.2	0.2	10	4.5
DZF8.2	7.4	8.2	9.1	30	10	4	6	1.2	0.2	10	4.9
DZF9.1	8.2	9.1	10.1	30	10	5	8	1.2	0.2	10	5.5
DZF10	9.0	10	11.0	30	10	6	9	1.2	0.2	10	6.0
DZF11	9.9	11	12.1	30	10	7	11	1.2	0.2	10	7.0
DZF12	10.8	12	13.2	30	10	8	13	1.2	0.2	10	8.0
DZF13	11.7	13	14.3	30	10	9	14	1.2	0.2	10	9.0
DZF15	13.5	15	16.5	30	10	11	17	1.2	0.2	10	10.0
DZF16	14.4	16	17.6	30	10	12	19	1.2	0.2	10	11.0
DZF18	16.2	18	19.8	30	10	14	23	1.2	0.2	10	13.0
DZF20	18.0	20	22.0	30	10	16	26	1.2	0.2	10	14.0
DZF22	19.8	22	24.2	30	10	18	28	1.2	0.2	10	16.0
DZF24	21.6	24	26.4	30	10	20	32	1.2	0.2	10	17.0
DZF27	24.3	27	29.7	30	10	23	36	1.2	0.2	10	19.0
DZF30	27.0	30	33.0	30	10	25	40	1.2	0.2	10	21.0
DZF33	29.7	33	36.3	30	10	26	41	1.2	0.2	10	26.4
DZF36	32.4	36	39.6	30	9	28	45	1.2	0.2	10	28.8



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