

<b>SANYO</b>	No.4703	<b>DZF6.8 to 36</b>
		Silicon Diffused Junction Type
		<b>1W Zener Diode</b>

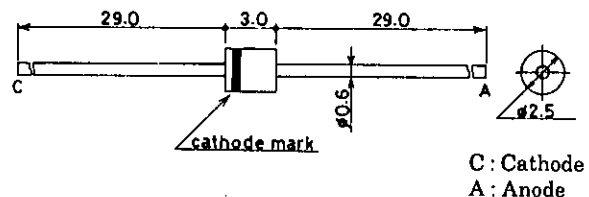
**Features**

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

**Absolute Maximum Ratings at  $T_a = 25^\circ C$** 

Allowable Power Dissipation	P	1.0	W
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature	$T_{stg}$	-40 to +150	$^\circ C$

**Package Dimensions 1261**  
(unit: mm)



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# DZF6.8 to 36

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

Type No.	Zener Characteristics					Temperature Coefficient $\gamma_Z$		Forward Voltage Drop $V_F$	Current at which $V_F$ is measured	Reverse Current	
	Zener Voltage $V_Z$			Dynamic Resistance $r_d$	Current at which $V_Z, r_d$ are measured $I_Z$					$I_R$	Voltage at which $I_R$ is measured
	[V]			[ $\Omega$ ]						[ $\mu\text{A}$ ]	
	min	typ	max	max		typ	max	max	[A]	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

