



# DZD27 to 47

Silicon Planar Type

## 0.2W Zener Diodes

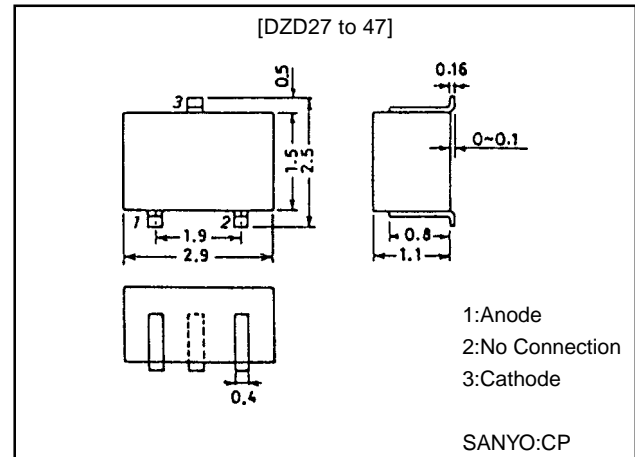
### Features

- Reference voltage use.
- Voltage regulator use.
- Power dissipation : P=200mW.
- High reliability due to planar type.
- Ideally suited for use in hybrid ICs because of ultrasmall-sized package.

### Package Dimensions

unit:mm

1148A



### Specifications

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

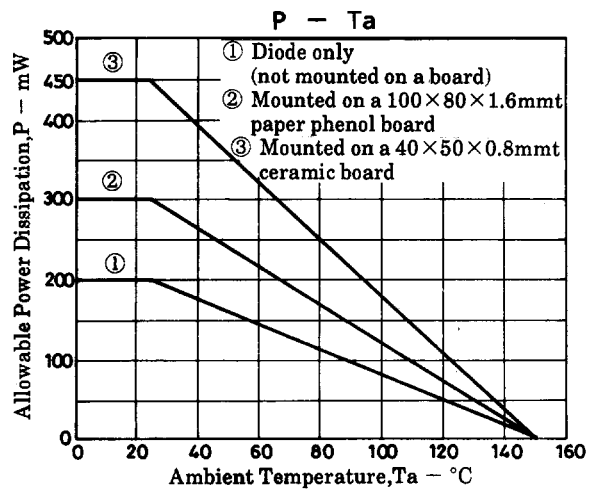
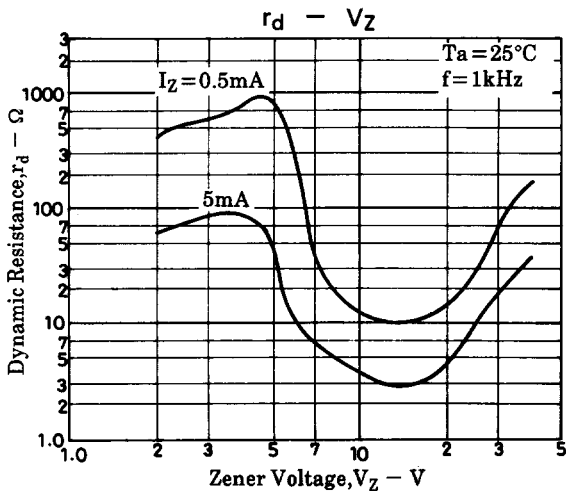
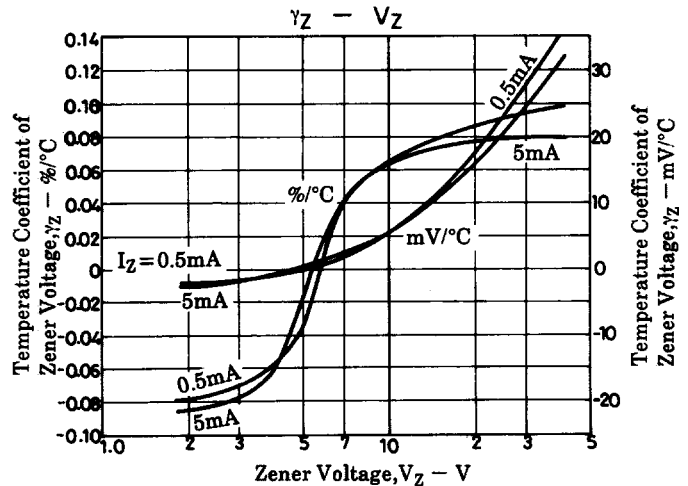
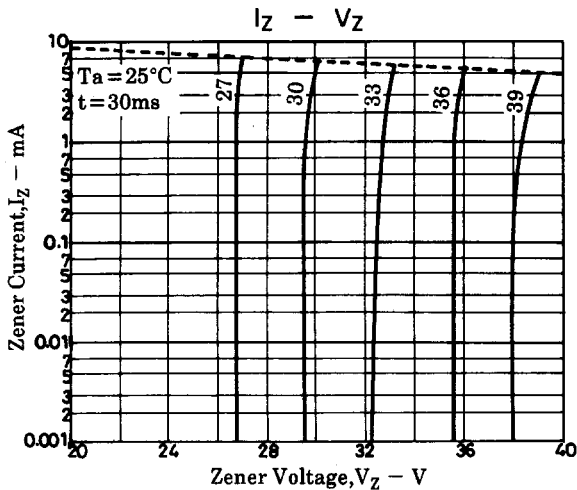
Parameter	Symbol	Conditions	Ratings	Unit
Power Dissipation	P		200	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

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

Type No.	Zener Characteristics				Reverse Current	
	Zener Voltage V <sub>Z</sub> [V]*		Dynamic Resistance r <sub>d</sub> [Ω] f=1kHz	Current at which V <sub>Z</sub> , r <sub>d</sub> are measured [mA]	I <sub>R</sub> [μA]	Voltage at which I <sub>R</sub> is measured V <sub>R</sub> [V]
	min	max				
DZD27	25.10	28.90	70	2	0.5	21
DZD30	28.00	32.00	80	2	0.5	23
DZD33	31.00	35.00	80	2	0.5	25
DZD36	34.00	38.00	90	2	0.5	27
DZD39	37.00	41.00	100	2	0.5	30
DZD43	40.00	45.00	130	2	0.5	33
DZD47	44.00	49.00	150	2	0.5	36

\* : t=30ms

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