

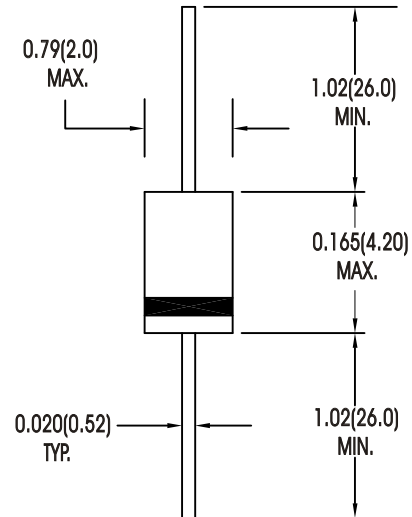
GDZJ2.0(A)(B)(C)(D) THRU GDZJ56(A)(B)(C)(D)

ZENER DIODES

FEATURES:

- These diodes are also available in DO-35 case with the type designation GDZJ2.0(A)(B)(C)(D)..... GDZJ56(A)(B)(C)(D)

DO-35



MECHANICAL DATA

Case: AIXAL Molded Glass

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25° C ambient temp. unless otherwise specified.

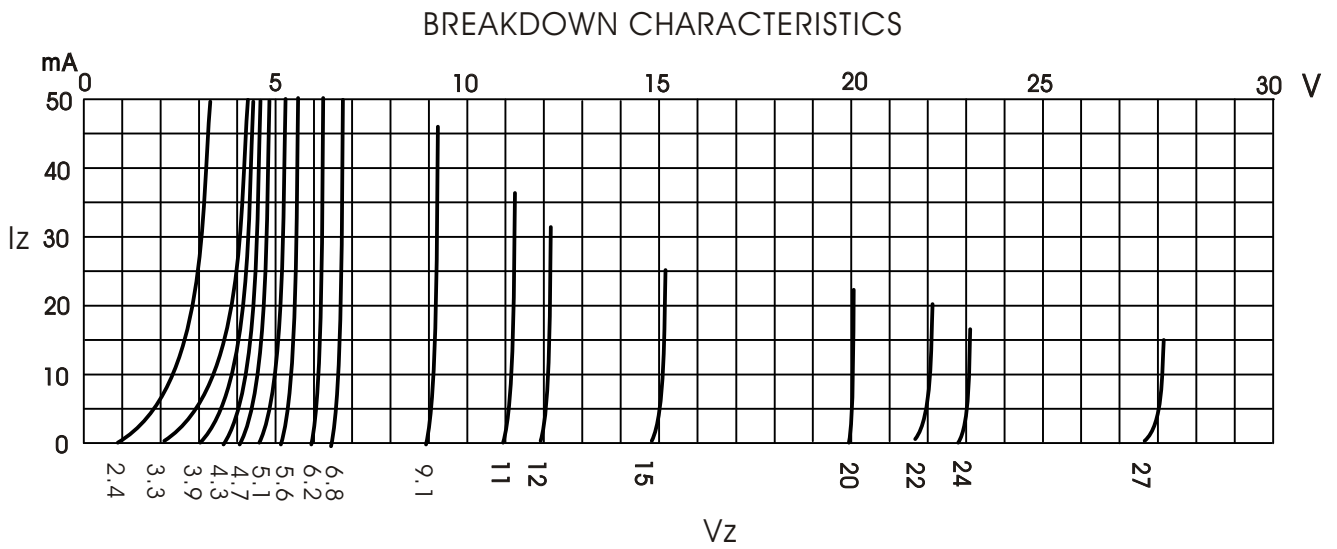
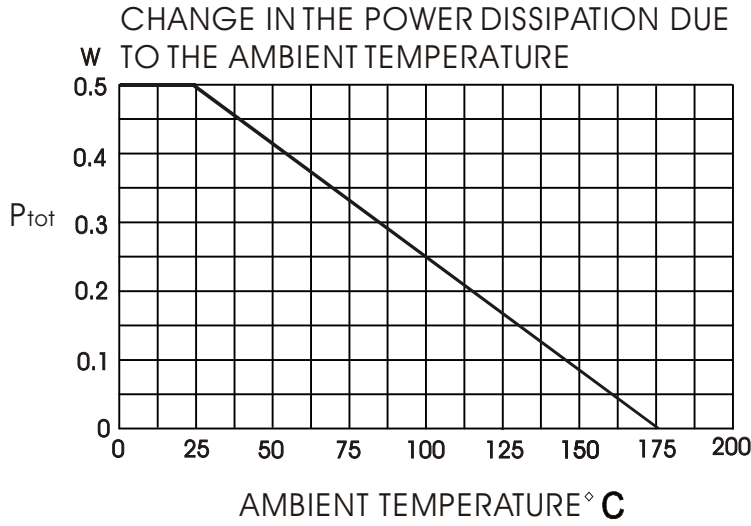
Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	Value	Units
Power Dissipation at Tamb=25 °C	P _{tot}	0.5 ¹⁾	W
Z-current	I _Z	P _V /V _Z	mA
Thermal Resistance Junction to Ambient Air	R _{thJ-A}	0.3 ¹⁾	K/W
Maximum instantaneous forward voltage drop at I _F =100 mADC	V _F	1.0	Volts
Junction temperature	T _J	175	°C
Storage temperature range	T _{stg}	-65 to +175	°C

1) Valid provided that leads at distance of 10mm from case are kept at ambient temperature

ZENER DIODES GDZJ2.0(A)(B)(C)(D) THRU GDZJ56(A)(B)(D)(D)



ZENER DIODES GDZJ2.0(A)(B)(C)(D) THRU GDZJ56(A)(B)(D)(D)

Device Type	Nominal Zener Voltage Vz at IzT	Test Current IzT	Maximum Zener Impedance			Maximum Reverse Leakage Current			
			ZzT at IzT	ZzK at IzK	IzK	IR	VR		
	Volts	mA	Ω	Ω	mA	μ A	Volts		
GDZJ2.0	A	1.88-2.10	5	100	1000	0.5	120	0.5	
	B	2.02-2.20							
	C	-							
	D	-							
GDZJ2.2	A	2.12-2.30	5	100	1000	0.5	100	0.7	
	B	2.22-2.41							
	C	-							
	D	-							
GDZJ2.4	A	2.33-2.52	5	100	1000	0.5	120	1.0	
	B	2.43-2.63							
	C	-							
	D	-							
GDZJ2.7	A	2.54-2.75	5	110	1000	0.5	100	1.0	
	B	2.69-2.91							
	C	-							
	D	-							
GDZJ3.0	A	2.85-3.07	5	120	1000	0.5	50	1.0	
	B	3.01-3.22							
	C	-							
	D	-							
GDZJ3.3	A	3.16-3.38	5	120	1000	0.5	20	1.0	
	B	3.32-3.53							
	C	-							
	D	-							
GDZJ3.6	A	3.46-3.69	5	100	1000	1.0	10	1.0	
	B	3.60-3.84							
	C	-							
	D	-							
GDZJ3.9	A	3.74-4.01	5	100	1000	1.0	5	1.0	
	B	3.89-4.16							
	C	-							
	D	-							
GDZJ4.3	A	4.04-4.29	5	100	1000	1.0	5	1.0	
	B	4.17-4.43							
	C	4.30-4.57							
	D	-							
GDZJ4.7	A	4.44-4.68	5	90	900	1.0	5	1.0	
	B	4.55-4.80							
	C	4.68-4.93							
	D	-							
GDZJ5.1	A	4.81-5.07	5	80	800	1.0	5	1.5	
	B	4.94-5.20							
	C	5.09-5.37							
	D	-							
GDZJ5.6	A	5.28-5.55	5	60	500	1.0	5	2.5	
	B	5.45-5.73							
	C	5.61-5.91							
	D	-							
GDZJ6.2	A	5.78-6.09	5	60	300	1.0	5	3.0	
	B	5.96-6.27							
	C	6.12-6.44							
	D	-							
GDZJ6.8	A	6.29-6.63	5	20	150	0.5	2	3.5	
	B	6.49-6.83							
	C	6.66-7.01							
	D	-							
GDZJ7.5	A	6.85-7.22	5	20	120	0.5	0.5	4.0	
	B	7.07-7.45							
	C	7.29-7.67							
	D	-							
GDZJ8.2	A	7.53-7.92	5	20	120	0.5	0.5	5.0	
	B	7.78-8.19							
	C	8.03-8.45							
	D	-							
GDZJ9.1	A	8.29-8.73	5	25	120	0.5	0.5	6.0	
	B	8.57-9.01							
	C	8.83-9.30							
	D	-							
GDZJ10	A	9.12-9.59	5	30	120	0.5	0.2	7.0	
	B	9.41-9.90							
	C	9.70-10.20							
	D	9.94-10.44							
GDZJ11	A	10.18-10.71	5	30	120	0.5	0.2	8.0	
	B	10.50-11.50							
	C	10.82-11.38							
	D	-							
GDZJ12	A	11.13-11.71	5	30	110	0.5	0.2	9.0	
	B	11.44-12.03							
	C	11.74-12.35							
	D	-							

1.ZENER DIODE MARKING SYSTEM

Z5B6

Z5B6=GDZJ5.6B

2.MEASURED WITH PULSES TP=200mSec.

ZENER DIODES GDZJ2.0(A)(B)(C)(D) THRU GDZJ56(A)(B)(D)(D)

Device Type	Nominal Zener Voltage Vz at IzT	Test Current IzT	Maximum Zener Impedance			Maximum Reverse Leakage Current			
			ZzT at IzT	ZzK at IzK	IzK	IR	VR		
	Volts	mA	Ω	Ω	mA	μ A	Volts		
GDZJ13	A	12.11-12.75	5	35	110	0.5	0.2	10.0	
	B	12.55-13.21							
	C	12.99-13.66							
	D	-							
GDZJ15	A	13.44-14.13	5	40	110	0.5	0.2	11.0	
	B	13.89-14.62							
	C	14.35-15.09							
	D	-							
GDZJ16	A	14.80-15.57	5	40	150	0.5	0.2	12.0	
	B	15.25-16.04							
	C	15.69-16.51							
	D	-							
GDZJ18	A	16.22-17.06	5	45	150	0.5	0.2	13.0	
	B	16.82-17.70							
	C	17.42-18.33							
	D	-							
GDZJ20	A	18.02-18.96	5	55	200	0.5	0.2	15.0	
	B	18.63-19.59							
	C	19.23-20.22							
	D	19.72-20.72							
GDZJ22	A	20.15-21.20	5	30	200	0.5	0.2	17.0	
	B	20.64-21.71							
	C	21.08-22.17							
	D	21.52-22.63							
GDZJ24	A	22.05-23.18	5	35	200	0.5	0.2	19.0	
	B	22.61-23.77							
	C	23.12-24.31							
	D	23.63-24.85							
GDZJ27	A	24.26-25.52	5	45	250	0.5	0.2	21.0	
	B	24.97-26.26							
	C	25.63-26.95							
	D	26.29-27.64							
GDZJ30	A	26.99-28.39	5	55	250	0.5	0.2	23.0	
	B	27.70-29.13							
	C	28.36-29.82							
	D	29.02-30.51							
GDZJ33	A	29.68-31.22	5	65	250	0.5	0.2	25.0	
	B	30.32-31.88							
	C	30.90-32.50							
	D	31.49-33.11							
GDZJ36	A	32.14-33.79	5	75	250	0.5	0.2	27.0	
	B	32.79-34.49							
	C	33.40-35.13							
	D	34.01-35.77							
GDZJ39	A	34.68-36.47	5	85	250	0.5	0.2	30.0	
	B	35.36-37.19							
	C	36.00-37.85							
	D	36.63-38.52							
GDZJ43		40-45	5	90			0.2	33.0	
GDZJ47		44-49	5	90			0.2	36.0	
GDZJ51		48-54	5	110			0.2	39.0	
GDZJ56		53-63	5	110			0.2	43.0	