

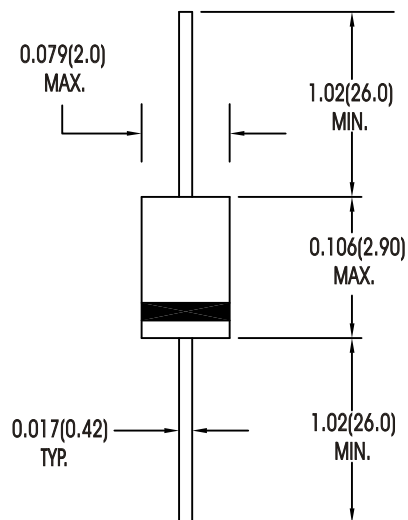
GDZJ2.0(A)(B)(C)(D)-M THRU GDZJ56(A)(B)(C)(D)-M

ZENER DIODES

FEATURES:

- These diodes are also available in DO-34 case with the type designation GDZJ2.0(A)(B)(C)(D)-M..... GDZJ56(A)(B)(C)(D)-M

DO-34



Dimensions in inches and (millimeters)

MECHANICAL DATA

Case: AIXAL Molded Glass

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

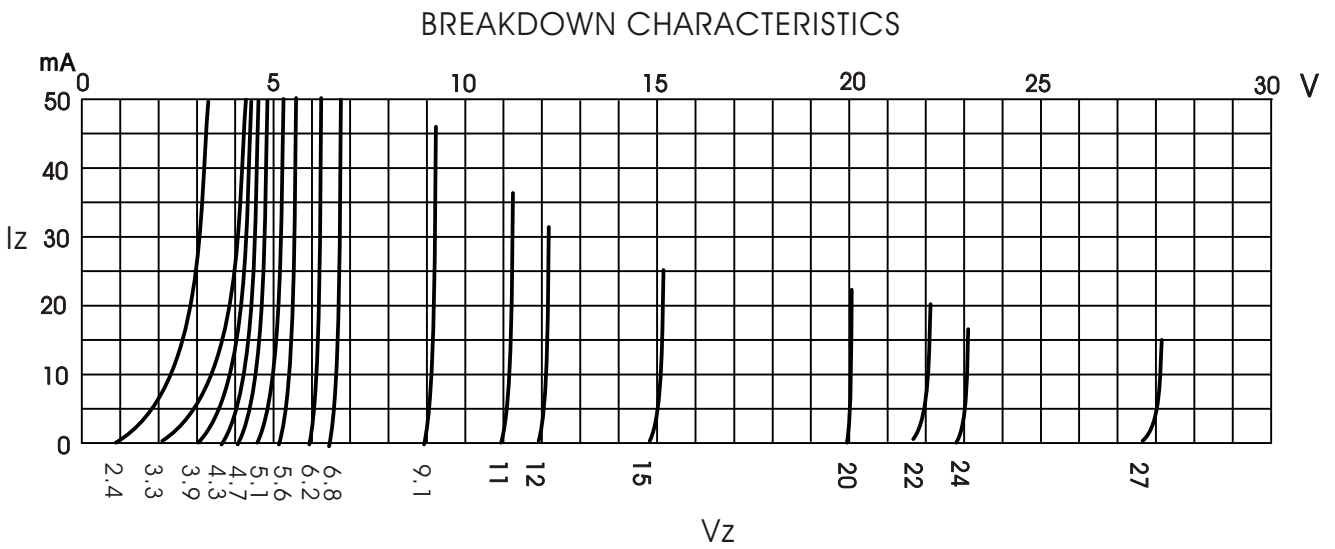
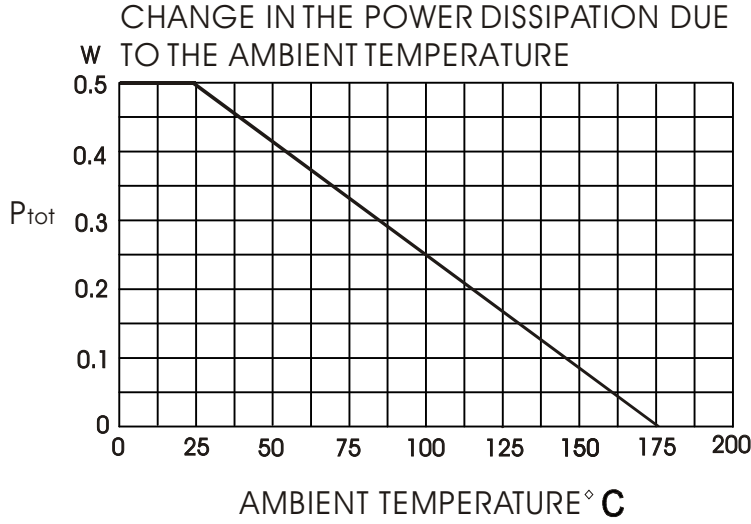
Single phase, half sine wave, 60 Hz, resistive or inductive load.

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 =200 mADC	V _F	1.5	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)-M THRU GDZJ56(A)(B)(D)(D)-M



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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-M	A	1.88-2.10	5	100	1000	0.5	120	0.5	
	B	2.02-2.20							
	C	-							
	D	-							
GDZJ2.2-M	A	2.12-2.30	5	100	1000	0.5	100	0.7	
	B	2.22-2.41							
	C	-							
	D	-							
GDZJ2.4-M	A	2.33-2.52	5	100	1000	0.5	120	1.0	
	B	2.43-2.63							
	C	-							
	D	-							
GDZJ2.7-M	A	2.54-2.75	5	110	1000	0.5	100	1.0	
	B	2.69-2.91							
	C	-							
	D	-							
GDZJ3.0-M	A	2.85-3.07	5	120	1000	0.5	50	1.0	
	B	3.01-3.22							
	C	-							
	D	-							
GDZJ3.3-M	A	3.16-3.38	5	120	1000	0.5	20	1.0	
	B	3.32-3.53							
	C	-							
	D	-							
GDZJ3.6-M	A	3.46-3.69	5	100	1000	1.0	10	1.0	
	B	3.60-3.84							
	C	-							
	D	-							
GDZJ3.9-M	A	3.74-4.01	5	100	1000	1.0	5	1.0	
	B	3.89-4.16							
	C	-							
	D	-							
GDZJ4.3-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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)-M THRU GDZJ56(A)(B)(D)(D)-M

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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M	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-M		40-45	5	90			0.2	33.0	
GDZJ47-M		44-49	5	90			0.2	36.0	
GDZJ51-M		48-54	5	110			0.2	39.0	
GDZJ56-M		53-63	5	110			0.2	43.0	