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500m WATT ZENER DIODE

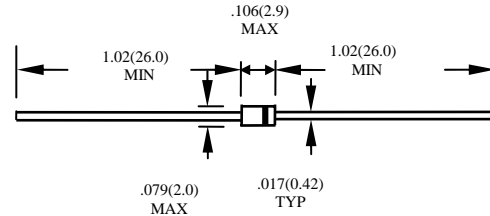
GDZJ2.0A THRU GDZJ56

FEATURES

- LOW COST
- SMALL SIZE
- GLASS SEALED

MECHANICAL DATA

- CASE: GLASS CASE, DO34, DIMENSIONS IN INCHES AND (MILLIMETERS)
- TERMINALS: AXIAL LEADS, SOLDERABLE PER MIL-STD -202, METHOD 208
- POLARITY: COLOR BAND DENOTES CATHODE
- MOUNTING POSITION: ANY
- WEIGHT: 0.013 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED
STORAGE AND OPERATING TEMPERATURE RANGE -55 TO + 150°C

ELECTRICAL CHARACTERISTICS (TA=25°C UNLESS OTHERWISE NOTED) VF=1.0V MAX, IF = 100mA FOR ALL TYPES								
JEDEC TYPE	NOMINAL ZENER VOLTS V _Z @I _{ZT} VOLTS		TEST CURRENT I _{ZT} mA	TEST CURRENT I _{ZK} mA	MAXIMUM ZENER IMPEDANCE		MAXIMUM REVERSE LEAKAGE CURRENT	
	MIN	MAX			Z _{ZT} @I _{ZT}	Z _{ZK} @I _{ZK}	I _R μA	@ V _R VOLTS
					OHMS	OHMS		
GDZJ2.0A	1.88	2.10	5	0.5	100	1000	120	0.5
GDZJ2.0B	2.02	2.20	5	0.5	100	1000	120	0.5
GDZJ2.2A	2.12	2.30	5	0.5	100	1000	100	0.7
GDZJ2.2B	2.22	2.41	5	0.5	100	1000	100	0.7
GDZJ2.4A	2.33	2.52	5	0.5	100	1000	120	1.0
GDZJ2.4B	2.43	2.63	5	0.5	100	1000	120	1.0
GDZJ2.7A	2.54	2.75	5	0.5	110	1000	100	1.0
GDZJ2.7B	2.69	2.91	5	0.5	110	1000	100	1.0
GDZJ3.0A	2.85	3.07	5	0.5	120	1000	50	1.0
GDZJ3.0B	3.01	3.22	5	0.5	120	1000	50	1.0
GDZJ3.3A	3.16	3.38	5	0.5	120	1000	20	1.0
GDZJ3.3B	3.32	3.53	5	0.5	120	1000	20	1.0
GDZJ3.6A	3.46	3.69	5	1	100	1000	10	1.0
GDZJ3.6B	3.60	3.84	5	1	100	1000	10	1.0
GDZJ3.9A	3.74	4.01	5	1	100	1000	5	1.0
GDZJ3.9B	3.89	4.16	5	1	100	1000	5	1.0
GDZJ4.3A	4.04	4.29	5	1	100	1000	5	1.0
GDZJ4.3B	4.17	4.43	5	1	100	1000	5	1.0
GDZJ4.3C	4.30	4.57	5	1	100	1000	5	1.0
GDZJ4.7A	4.44	4.68	5	1	90	900	5	1.0
GDZJ4.7B	4.55	4.80	5	1	90	900	5	1.0
GDZJ4.7C	4.68	4.93	5	1	90	900	5	1.0
GDZJ5.1A	4.81	5.07	5	1	80	800	5	1.5
GDZJ5.1B	4.94	5.20	5	1	80	800	5	1.5
GDZJ5.1C	5.09	5.37	5	1	80	800	5	1.5

NOTE: * MICRO MELF MOLDED GLASS

ELECTRICAL CHARACTERISTICS (TA=25°C UNLESS OTHERWISE NOTED) VF=1.0V MAX, IF = 100mA FOR ALL TYPES

JEDEC TYPE	NOMINAL ZENER VOLTS V _Z @I _{ZT}		TEST CURRENT I _{ZT} mA	TEST CURRENT I _{ZK} mA	MAXIMUM ZENER IMPEDANCE		MAXIMUM REVERSE LEAKAGE CURRENT	
	MIN	MAX			Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _R	@ V _R
					OHMS	OHMS	μA	VOLTS
GDZJ5.6A	5.28	5.55	5	1	60	500	5	2.5
GDZJ5.6B	5.45	5.73	5	1	60	500	5	2.5
GDZJ5.6C	5.61	5.91	5	1	60	500	5	2.5
GDZJ6.2A	5.78	6.09	5	1	60	300	5	3.0
GDZJ6.2B	5.96	6.27	5	1	60	300	5	3.0
GDZJ6.2C	6.12	6.44	5	1	60	300	5	3.0
GDZJ6.8A	6.29	6.63	5	0.5	20	150	2	3.5
GDZJ6.8B	6.49	6.83	5	0.5	20	150	2	3.5
GDZJ6.8C	6.66	7.01	5	0.5	20	150	2	3.5
GDZJ7.5A	6.85	7.22	5	0.5	20	120	0.5	4.0
GDZJ7.5B	7.07	7.45	5	0.5	20	120	0.5	4.0
GDZJ7.5C	7.29	7.67	5	0.5	20	120	0.5	4.0
GDZJ8.2A	7.53	7.92	5	0.5	20	120	0.5	5.0
GDZJ8.2B	7.78	8.19	5	0.5	20	120	0.5	5.0
GDZJ8.2C	8.03	8.45	5	0.5	20	120	0.5	5.0
GDZJ9.1A	8.29	8.73	5	0.5	25	120	0.5	6.0
GDZJ9.1B	8.57	9.01	5	0.5	25	120	0.5	6.0
GDZJ9.1C	8.83	9.30	5	0.5	25	120	0.5	6.0
GDZJ10A	9.12	9.59	5	0.5	30	120	0.5	7.0
GDZJ10B	9.41	9.90	5	0.5	30	120	0.5	7.0
GDZJ10C	9.70	10.20	5	0.5	30	120	0.5	7.0
GDZJ10D	9.94	10.44	5	0.5	30	120	0.5	7.0
GDZJ11A	10.18	10.71	5	0.5	30	120	0.5	8.0
GDZJ11B	10.50	11.05	5	0.5	30	120	0.5	8.0
GDZJ11C	10.82	11.38	5	0.5	30	120	0.5	8.0
GDZJ12A	11.13	11.71	5	0.5	30	110	0.2	9.0
GDZJ12B	11.44	12.03	5	0.5	30	110	0.2	9.0
GDZJ12C	11.74	12.35	5	0.5	30	110	0.2	9.0
GDZJ13A	12.11	12.75	5	0.5	35	110	0.2	10.0
GDZJ13B	12.55	13.21	5	0.5	35	110	0.2	10.0
GDZJ13C	12.99	13.66	5	0.5	35	110	0.2	10.0
GDZJ15A	13.44	14.13	5	0.5	40	110	0.2	11.0
GDZJ15B	13.89	14.62	5	0.5	40	110	0.2	11.0
GDZJ15C	14.35	15.09	5	0.5	40	110	0.2	11.0
GDZJ16A	14.80	15.57	5	0.5	40	150	0.2	12.0
GDZJ16B	15.25	16.04	5	0.5	40	150	0.2	12.0
GDZJ16C	15.69	16.51	5	0.5	40	150	0.2	12.0
GDZJ18A	16.22	17.06	5	0.5	45	150	0.2	13.0
GDZJ18B	16.82	17.70	5	0.5	45	150	0.2	13.0
GDZJ18C	17.42	18.33	5	0.5	45	150	0.2	13.0
GDZJ20A	18.02	18.96	5	0.5	55	200	0.2	15.0
GDZJ20B	18.63	19.59	5	0.5	55	200	0.2	15.0
GDZJ20C	19.23	20.22	5	0.5	55	200	0.2	15.0
GDZJ20D	19.72	20.72	5	0.5	55	200	0.2	15.0
GDZJ22A	20.15	21.20	5	0.5	30	200	0.2	17.0
GDZJ22B	20.64	21.71	5	0.5	30	200	0.2	17.0
GDZJ22C	21.08	22.17	5	0.5	30	200	0.2	17.0
GDZJ22D	21.52	22.63	5	0.5	30	200	0.2	17.0

NOTE : * MICRO MELF MOLDED GLASS

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JEDEC TYPE	NOMINAL ZENER VOLTS V _Z @I _{ZT} VOLTS		TEST CURRENT I _{ZT} mA	TEST CURRENT I _{ZK} mA	MAXIMUM ZENER IMPEDANCE		MAXIMUM REVERSE LEAKAGE CURRENT	
	MIN	MAX			Z _{ZT} @I _{ZT}	Z _{ZK} @I _{ZK}	I _R	@ V _R
					OHMS	OHMS	μA	VOLTS
GDZJ24A	22.05	23.18	5	0.5	35	200	0.2	19.0
GDZJ24B	22.61	23.77	5	0.5	35	200	0.2	19.0
GDZJ24C	23.12	24.31	5	0.5	35	200	0.2	19.0
GDZJ24D	23.63	24.85	5	0.5	35	200	0.2	19.0
GDZJ27A	24.26	25.52	5	0.5	45	250	0.2	21.0
GDZJ27B	24.97	26.26	5	0.5	45	250	0.2	21.0
GDZJ27C	25.63	26.95	5	0.5	45	250	0.2	21.0
GDZJ27D	26.29	27.64	5	0.5	45	250	0.2	21.0
GDZJ30A	26.99	28.39	5	0.5	55	250	0.2	23.0
GDZJ30B	27.70	29.13	5	0.5	55	250	0.2	23.0
GDZJ30C	28.36	29.82	5	0.5	55	250	0.2	23.0
GDZJ30D	29.02	30.51	5	0.5	55	250	0.2	23.0
GDZJ33A	29.68	31.22	5	0.5	65	250	0.2	25.0
GDZJ33B	30.32	31.88	5	0.5	65	250	0.2	25.0
GDZJ33C	30.90	32.50	5	0.5	65	250	0.2	25.0
GDZJ33D	31.49	33.11	5	0.5	65	250	0.2	25.0
GDZJ36A	32.14	33.79	5	0.5	75	250	0.2	27.0
GDZJ36B	32.79	34.49	5	0.5	75	250	0.2	27.0
GDZJ36C	33.40	35.13	5	0.5	75	250	0.2	27.0
GDZJ36D	34.01	35.77	5	0.5	75	250	0.2	27.0
GDZJ39A	34.68	36.47	5	0.5	85	250	0.2	30.0
GDZJ39B	35.36	37.19	5	0.5	85	250	0.2	30.0
GDZJ39C	36.00	37.85	5	0.5	85	250	0.2	30.0
GDZJ39D	36.63	38.52	5	0.5	85	250	0.2	30.0
GDZJ43	40.00	45.00	5	-	90	-	0.2	33
GDZJ47	44.00	49.00	5	-	90	-	0.2	36
GDZJ51	48.00	54.00	5	-	110	-	0.2	39
GDZJ56	53.00	60.00	5	-	110	-	0.2	43

RATINGS AND CHARACTERISTIC CURVES GDZJ2.0A THRU GDZJ56

FIG.1- BREAKDOWN CHARACTERISTICS

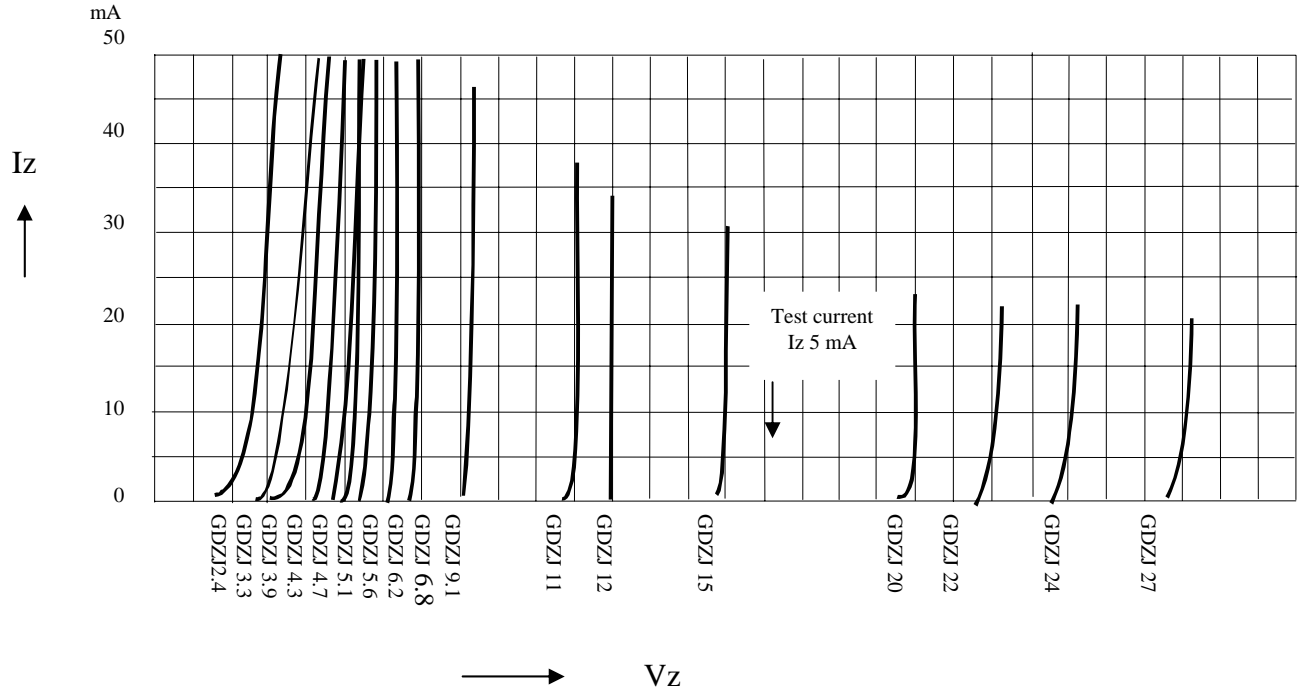


FIG.2- POWER ,TEMPERATURE DERATING CURVE

