

500mW AXIAL LEAD ZENER DIODE - 2.0 to 56 Volts

DO-34 PACKAGE

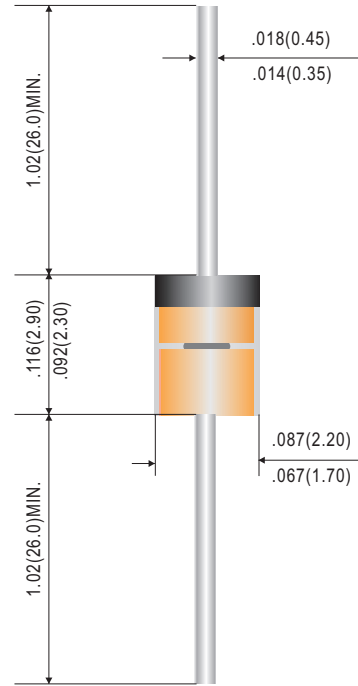
FEATURES

- Planar Die construction
- 500mW Power Dissipation
- Ideally Suited for Automated Assembly Processes

MECHANICAL DATA

- Case: Molded Glass DO-34
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: See Diagram Below
- Approx. Weight: 0.09 grams
- Mounting Position: Any
- Packing information

T - T U U A S C C O D per Tape & Ammo box



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Value	Units
Power Dissipation at Tamb = 25 °C	P _{TOT}	500	mW
Junction Temperature	T _J	175	°C
Storage Temperature Range	T _S	-65 to +175	°C
Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.			

Parameter	Symbol	Min.	Typ.	Max.	Units
Thermal Resistance Junction to Ambient Air	R _{thA}	--	--	0.3	K/mW
Forward Voltage at I _F = 100mA	V _F	--	--	1	V
Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.					

Part No.	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code	Case
	$V_Z @ I_{ZT}$			$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
GDZJ 2.0A-N	2.0	1.88	2.10	100	5	1000	0.5	120	0.5	Z2A0	DO-34
GDZJ 2.0B-N	2.0	2.02	2.20	100	5	1000	0.5	120	0.5	Z2B0	DO-34
GDZJ 2.2A-N	2.2	2.12	2.30	100	5	1000	0.5	100	0.7	Z2A2	DO-34
GDZJ 2.2B-N	2.2	2.22	2.41	100	5	1000	0.5	100	0.7	Z2B2	DO-34
GDZJ 2.4A-N	2.4	2.33	2.52	100	5	1000	0.5	120	1.0	Z2A4	DO-34
GDZJ 2.4B-N	2.4	2.43	2.63	100	5	1000	0.5	120	1.0	Z2B4	DO-34
GDZJ 2.7A-N	2.7	2.54	2.75	110	5	1000	0.5	100	1.0	Z2A7	DO-34
GDZJ 2.7B-N	2.7	2.69	2.91	110	5	1000	0.5	100	1.0	Z2B7	DO-34
GDZJ 3.0A-N	3.0	2.85	3.07	120	5	1000	0.5	50	1.0	Z3A0	DO-34
GDZJ 3.0B-N	3.0	3.01	3.22	120	5	1000	0.5	50	1.0	Z3B0	DO-34
GDZJ 3.3A-N	3.3	3.16	3.38	120	5	1000	0.5	20	1.0	Z3A3	DO-34
GDZJ 3.3B-N	3.3	3.32	3.53	120	5	1000	0.5	20	1.0	Z3B3	DO-34
GDZJ 3.6A-N	3.6	3.46	3.70	100	5	1000	1.0	10	1.0	Z3A6	DO-34
GDZJ 3.6B-N	3.6	3.60	3.85	100	5	1000	1.0	10	1.0	Z3B6	DO-34
GDZJ 3.9A-N	3.9	3.74	4.01	100	5	1000	1.0	5.0	1.0	Z3A9	DO-34
GDZJ 3.9B-N	3.9	3.89	4.16	100	5	1000	1.0	5.0	1.0	Z3B9	DO-34
GDZJ 4.3A-N	4.3	4.04	4.29	100	5	1000	1.0	5.0	1.0	Z4A3	DO-34
GDZJ 4.3B-N	4.3	4.17	4.43	100	5	1000	1.0	5.0	1.0	Z4B3	DO-34
GDZJ 4.3C-N	4.3	4.30	4.57	100	5	1000	1.0	5.0	1.0	Z4C3	DO-34
GDZJ 4.7A-N	4.7	4.44	4.68	90	5	900	1.0	5.0	1.0	Z4A7	DO-34
GDZJ 4.7B-N	4.7	4.55	4.80	90	5	900	1.0	5.0	1.0	Z4B7	DO-34
GDZJ 4.7C-N	4.7	4.68	4.93	90	5	900	1.0	5.0	1.0	Z4C7	DO-34
GDZJ 5.1A-N	5.1	4.81	5.07	80	5	800	1.0	5.0	1.5	Z5A1	DO-34
GDZJ 5.1B-N	5.1	4.94	5.20	80	5	800	1.0	5.0	1.5	Z5B1	DO-34
GDZJ 5.1C-N	5.1	5.09	5.37	80	5	800	1.0	5.0	1.5	Z5C1	DO-34
GDZJ 5.6A-N	5.6	5.28	5.55	60	5	500	1.0	5.0	2.5	Z5A6	DO-34
GDZJ 5.6B-N	5.6	5.45	5.73	60	5	500	1.0	5.0	2.5	Z5B6	DO-34
GDZJ 5.6C-N	5.6	5.61	5.91	60	5	500	1.0	5.0	2.5	Z5C6	DO-34
GDZJ 6.2A-N	6.2	5.78	6.09	60	5	300	1.0	5.0	3.0	Z6A2	DO-34
GDZJ 6.2B-N	6.2	5.96	6.27	60	5	300	1.0	5.0	3.0	Z6B2	DO-34
GDZJ 6.2C-N	6.2	6.12	6.44	60	5	300	1.0	5.0	3.0	Z6C2	DO-34
GDZJ 6.8A-N	6.8	6.29	6.63	20	5	150	0.5	2.0	3.5	Z6A8	DO-34
GDZJ 6.8B-N	6.8	6.49	6.83	20	5	150	0.5	2.0	3.5	Z6B8	DO-34
GDZJ 6.8C-N	6.8	6.66	7.01	20	5	150	0.5	2.0	3.5	Z6C8	DO-34
GDZJ 7.5A-N	7.5	6.85	7.22	20	5	120	0.5	0.5	4.0	Z7A5	DO-34
GDZJ 7.5B-N	7.5	7.07	7.45	20	5	120	0.5	0.5	4.0	Z7B5	DO-34
GDZJ 7.5C-N	7.5	7.29	7.67	20	5	120	0.5	0.5	4.0	Z7C5	DO-34
GDZJ 8.2A-N	8.2	7.53	7.92	20	5	120	0.5	0.5	5.0	Z8A2	DO-34
GDZJ 8.2B-N	8.2	7.78	8.19	20	5	120	0.5	0.5	5.0	Z8B2	DO-34
GDZJ 8.2C-N	8.2	8.03	8.45	20	5	120	0.5	0.5	5.0	Z8C2	DO-34
GDZJ 9.1A-N	9.1	8.29	8.73	25	5	120	0.5	0.5	6.0	Z9A1	DO-34
GDZJ 9.1B-N	9.1	8.57	9.01	25	5	120	0.5	0.5	6.0	Z9B1	DO-34
GDZJ 9.1C-N	9.1	8.83	9.30	25	5	120	0.5	0.5	6.0	Z9C1	DO-34
GDZJ 10A-N	10.0	9.12	9.59	30	5	120	0.5	0.2	7.0	Z10A	DO-34
GDZJ 10B-N	10.0	9.41	9.90	30	5	120	0.5	0.2	7.0	Z10B	DO-34
GDZJ 10C-N	10.0	9.70	10.20	30	5	120	0.5	0.2	7.0	Z10C	DO-34
GDZJ 10D-N	10.0	9.94	10.44	30	5	120	0.5	0.2	7.0	Z10D	DO-34
GDZJ 11A-N	11.0	10.18	10.71	30	5	120	0.5	0.2	8.0	Z11A	DO-34
GDZJ 11B-N	11.0	10.50	11.05	30	5	120	0.5	0.2	8.0	Z11B	DO-34
GDZJ 11C-N	11.0	10.82	11.38	30	5	120	0.5	0.2	8.0	Z11C	DO-34
GDZJ 12A-N	12.0	11.13	11.71	30	5	110	0.5	0.2	9.0	Z12A	DO-34

Part No.	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code	Case
	V _Z @ I _{ZT}			Z _{ZT} @ I _{ZT}		Z _{ZK} @ I _{ZK}		I _R @ V _R			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
GDZJ 12B-N	12.0	11.44	12.03	30	5	110	0.5	0.2	9.0	Z12B	DO-34
GDZJ 12C-N	12.0	11.74	12.35	30	5	110	0.5	0.2	9.0	Z12C	DO-34
GDZJ 13A-N	13.0	12.11	12.75	35	5	110	0.5	0.2	10.0	Z13A	DO-34
GDZJ 13B-N	13.0	12.55	13.21	35	5	110	0.5	0.2	10.0	Z13B	DO-34
GDZJ 13C-N	13.0	12.99	13.66	35	5	110	0.5	0.2	10.0	Z13C	DO-34
GDZJ 15A-N	15.0	13.44	14.13	40	5	110	0.5	0.2	11.0	Z15A	DO-34
GDZJ 15B-N	15.0	13.89	14.62	40	5	110	0.5	0.2	11.0	Z15B	DO-34
GDZJ 15C-N	15.0	14.35	15.09	40	5	110	0.5	0.2	11.0	Z15C	DO-34
GDZJ 16A-N	16.0	14.80	15.57	40	5	150	0.5	0.2	12.0	Z16A	DO-34
GDZJ 16B-N	16.0	15.25	16.04	40	5	150	0.5	0.2	12.0	Z16B	DO-34
GDZJ 16C-N	16.0	15.69	16.51	40	5	150	0.5	0.2	12.0	Z16C	DO-34
GDZJ 18A-N	18.0	16.22	17.06	45	5	150	0.5	0.2	13.0	Z18A	DO-34
GDZJ 18B-N	18.0	16.82	17.70	45	5	150	0.5	0.2	13.0	Z18B	DO-34
GDZJ 18C-N	18.0	17.42	18.33	45	5	150	0.5	0.2	13.0	Z18C	DO-34
GDZJ 20A-N	20.0	18.02	18.96	55	5	200	0.5	0.2	15.0	Z20A	DO-34
GDZJ 20B-N	20.0	18.63	19.59	55	5	200	0.5	0.2	15.0	Z20B	DO-34
GDZJ 20C-N	20.0	19.23	20.22	55	5	200	0.5	0.2	15.0	Z20C	DO-34
GDZJ 20D-N	20.0	19.72	20.72	55	5	200	0.5	0.2	15.0	Z20D	DO-34
GDZJ 22A-N	22.0	20.15	21.20	30	5	200	0.5	0.2	17.0	Z22A	DO-34
GDZJ 22B-N	22.0	20.64	21.71	30	5	200	0.5	0.2	17.0	Z22B	DO-34
GDZJ 22C-N	22.0	21.08	22.17	30	5	200	0.5	0.2	17.0	Z22C	DO-34
GDZJ 22D-N	22.0	21.52	22.63	30	5	200	0.5	0.2	17.0	Z22D	DO-34
GDZJ 24A-N	24.0	22.05	23.18	35	5	200	0.5	0.2	19.0	Z24A	DO-34
GDZJ 24B-N	24.0	22.61	23.77	35	5	200	0.5	0.2	19.0	Z24B	DO-34
GDZJ 24C-N	24.0	23.12	24.31	35	5	200	0.5	0.2	19.0	Z24C	DO-34
GDZJ 24D-N	24.0	23.63	24.85	35	5	200	0.5	0.2	19.0	Z24D	DO-34
GDZJ 27A-N	27.0	24.26	25.52	45	5	250	0.5	0.2	21.0	Z27A	DO-34
GDZJ 27B-N	27.0	24.97	26.26	45	5	250	0.5	0.2	21.0	Z27B	DO-34
GDZJ 27C-N	27.0	25.63	26.95	45	5	250	0.5	0.2	21.0	Z27C	DO-34
GDZJ 27D-N	27.0	26.29	27.64	45	5	250	0.5	0.2	21.0	Z27D	DO-34
GDZJ 30A-N	30.0	26.99	28.39	55	5	250	0.5	0.2	23.0	Z30A	DO-34
GDZJ 30B-N	30.0	27.70	29.13	55	5	250	0.5	0.2	23.0	Z30B	DO-34
GDZJ 30C-N	30.0	28.36	29.82	55	5	250	0.5	0.2	23.0	Z30C	DO-34
GDZJ 30D-N	30.0	29.02	30.51	55	5	250	0.5	0.2	23.0	Z30D	DO-34
GDZJ 33A-N	33.0	29.68	31.22	65	5	250	0.5	0.2	25.0	Z33A	DO-34
GDZJ 33B-N	33.0	30.32	31.88	65	5	250	0.5	0.2	25.0	Z33B	DO-34
GDZJ 33C-N	33.0	30.90	32.50	65	5	250	0.5	0.2	25.0	Z33C	DO-34
GDZJ 33D-N	33.0	31.49	33.11	65	5	250	0.5	0.2	25.0	Z33D	DO-34
GDZJ 36A-N	36.0	32.14	33.79	75	5	250	0.5	0.2	27.0	Z36A	DO-34
GDZJ 36B-N	36.0	32.79	34.49	75	5	250	0.5	0.2	27.0	Z36B	DO-34
GDZJ 36C-N	36.0	33.40	35.13	75	5	250	0.5	0.2	27.0	Z36C	DO-34
GDZJ 36D-N	36.0	34.01	35.77	75	5	250	0.5	0.2	27.0	Z36D	DO-34
GDZJ 39A-N	39.0	34.68	36.47	85	5	250	0.5	0.2	30.0	Z39A	DO-34
GDZJ 39B-N	39.0	35.36	37.19	85	5	250	0.5	0.2	30.0	Z39B	DO-34
GDZJ 39C-N	39.0	36.00	37.85	85	5	250	0.5	0.2	30.0	Z39C	DO-34
GDZJ 39D-N	39.0	36.63	38.52	85	5	250	0.5	0.2	30.0	Z39D	DO-34
GDZJ 43-N	43.0	40.00	45.00	90	5	-	-	0.2	33.0	Z43	DO-34
GDZJ 47-N	47.0	44.00	49.00	90	5	-	-	0.2	36.0	Z47	DO-34
GDZJ 51-N	51.0	48.00	54.00	110	5	-	-	0.2	39.0	Z51	DO-34
GDZJ 56-N	56.0	53.00	60.00	110	5	-	-	0.2	43.0	Z56	DO-34

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RATING AND CHARACTERISTIC CURVES

