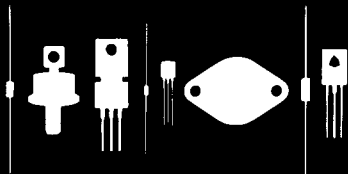


Central
Semiconductor Corp.
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145 Adams Avenue
Hauppauge, New York 11788



1N3506 THRU 1N3534

400mW ZENER DIODE
LOW LEAKAGE
3.3 VOLTS TO 47 VOLTS
5% TOLERANCE

JEDEC D0-35 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N3506 Series Zener Diode is a high quality voltage regulator for use in automotive, industrial, commercial, entertainment and computer applications where low leakage (reverse) current is required.

ABSOLUTE MAXIMUM RATINGS

	SYMBOL		TOLERANCE
Power Dissipation	P_D	400mW	±5%
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 TO +200°C	

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

TYPE	ZENER VOLTAGE	TEST CURRENT	MAX. ZENER IMPEDANCE	MAX. REVERSE CURRENT	
	$V_Z @ I_{ZT}$ V		$Z_Z @ I_{ZT}$ Ω	$I_R @ V_R$ μA	V
1N3506	3.3	20	24	4.0	1.0
1N3507	3.6	20	22	2.0	1.0
1N3508	3.9	20	20	0.4	1.0
1N3509	4.3	20	18	0.1	1.0
1N3510	4.7	20	16	5.0	2.0
1N3511	5.1	20	14	2.0	2.0
1N3512	5.6	20	8.0	5.0	3.0
1N3513	6.2	20	3.0	5.0	4.0
1N3514	6.8	20	3.0	1.0	5.0
1N3515	7.5	10	4.0	0.5	6.0
1N3516	8.2	10	5.0	0.25	7.0
1N3517	9.1	10	6.0	0.025	7.0
1N3518	10	10	7.0	0.01	8.0
1N3519	11	10	8.0	0.01	9.0
1N3520	12	10	10	0.01	10
1N3521	13	5.0	12	0.01	11
1N3522	15	5.0	14	0.01	13
1N3523	16	5.0	16	0.01	14
1N3524	18	5.0	18	0.01	16
1N3525	20	5.0	20	0.01	18
1N3526	22	5.0	35	0.01	19
1N3527	24	5.0	38	0.01	20
1N3528	27	4.0	40	0.01	22
1N3529	30	4.0	48	0.01	24
1N3530	33	3.0	50	0.01	26
1N3531	36	3.0	75	0.01	28
1N3532	39	3.0	80	0.01	30
1N3533	43	2.0	130	0.01	35
1N3534	47	2.0	150	0.01	38