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1N5559B thru 1N5594B

1.0 WATT ZENER DIODE
6.8 VOLTS to 200 VOLTS
5% TOLERANCE

JEDEC DO-41 CASE*

DESCRIPTION

The Central Semiconductor 1N5559B Series Silicon Zener Diode is a high quality voltage regulator for use in industrial, commercial, entertainment and computer applications.

ABSOLUTE MAXIMUM RATINGS	SYMBOL		TOLERANCE
Power Dissipation (@T_A = 50°C)	P_D	1.0W	
Operating and Storage Temperature	T_J, T_{STG}	−65 to +200°C	±5%

ELECTRICAL CHARACTERISTICS (T_A = 25°C)

TYPE	Zener Voltage	Test Current	Maximum Zener Impedance			Maximum Reverse Current		Maximum DC Current
	V_Z @ I_{Z1}	I_{Z1}	Z_{Z1} @ I_{Z1}	Z_{Z2} @ I_{Z2}		I_R @ V_R		I_{ZM}
	Volts	mA	Ω	Ω	mA	μA	Volts	mA
1N5559B	6.8	37	3.5	700	1.0	10.0	5.2	140
1N5560B	7.5	34	4.0	700	0.5	5.0	5.7	125
1N5561B	8.2	31	4.5	700	0.5	5.0	6.2	115
1N5562B	9.1	28	5.0	700	0.5	5.0	6.9	105
1N5563B	10	25	7.0	700	0.25	1.0	7.6	95
1N5564B	11	23	8.0	700	0.25	1.0	8.4	85
1N5565B	12	21	9.0	700	0.25	1.0	9.1	80
1N5566B	13	19	10	700	0.25	1.0	9.9	74
1N5567B	15	17	14	700	0.25	1.0	11.4	63
1N5568B	16	15.5	16	700	0.25	1.0	12.2	60
1N5569B	18	14	20	750	0.25	1.0	13.7	52
1N5570B	20	12.5	22	750	0.25	1.0	15.2	47
1N5571B	22	11.5	23	750	0.25	1.0	16.7	43
1N5572B	24	10.5	25	750	0.25	1.0	18.2	40
1N5573B	27	9.5	35	750	0.25	1.0	20.6	35
1N5574B	30	8.5	40	1000	0.25	1.0	22.8	31
1N5575B	33	7.5	45	1000	0.25	1.0	25.1	28
1N5576B	36	7.0	50	1000	0.25	1.0	27.4	26
1N5577B	39	6.5	60	1000	0.25	1.0	29.7	24
1N5578B	43	6.0	70	1500	0.25	1.0	32.7	22
1N5579B	47	5.5	80	1500	0.25	1.0	35.8	20
1N5580B	51	5.0	95	1500	0.25	1.0	38.8	18
1N5581B	56	4.5	110	1500	0.25	1.0	42.6	17
1N5582B	62	4.0	125	2000	0.25	1.0	47.1	15
1N5583B	68	3.7	150	2000	0.25	1.0	51.7	14
1N5584B	75	3.3	175	2000	0.25	1.0	56.0	12
1N5585B	82	3.0	200	3000	0.25	1.0	62.2	11
1N5586B	91	2.8	250	3000	0.25	1.0	69.2	10
1N5587B	100	2.5	350	3000	0.25	1.0	76.0	9.5
1N5588B	110	2.3	450	4000	0.25	1.0	83.6	8.5
1N5589B	120	2.0	550	4500	0.25	1.0	91.2	8.0
1N5590B	130	1.9	700	5000	0.25	1.0	98.8	7.2
1N5591B	150	1.7	1000	6000	0.25	1.0	114	6.3
1N5592B	160	1.6	1100	6500	0.25	1.0	121.6	5.9
1N5593B	180	1.4	1200	7000	0.25	1.0	136.8	5.2
1N5594B	200	1.2	1500	8000	0.25	1.0	152	4.7

*1N5586B thru 1N5594B is supplied in a molded epoxy axial lead package (case 101).