WEJ®

ZENER DIODES

（package）:DO-35

TYPE	Zener Voltage Range[1]			Dynamic resistance			Reverse Leakage Current			Temp.Coeffcient of Zener Voltage
	V_{znom}	I_{ZT} for V_{ZT}[2]		r_{zjT} and r_{zjK} at I_{ZK}			I_R for I_R[2] at V_R			TK_{VZ}
	V	mA	V	Ω	Ω	mA	μA	μA	V	%/K
BZX 55/C 0V8[3]	0.8	5	0.73~0.83	<8	<50	1	--	--	1	-0.26~-0.23
BZX 55/C 2V0	2.0	5	1.9~2.1	<85	<600	1	<100	<200	1	-0.09~-0.06
BZX 55/C 2V4	2.4	5	2.28~2.56	<85	<600	1	<50	<100	1	-0.09~-0.06
BZX 55/C 2V7	2.7	5	2.5~2.9	<85	<600	1	<10	<50	1	-0.09~-0.06
BZX 55/C 3V0	3.0	5	2.8~3.2	<85	<600	1	<4	<40	1	-0.08~-0.05
BZX 55/C 3V3	3.3	5	3.1~3.5	<85	<600	1	<2	<40	1	-0.08~-0.05
BZX 55/C 3V6	3.6	5	3.4~3.8	<85	<600	1	<2	<40	1	-0.08~-0.05
BZX 55/C 3V9	3.9	5	3.7~4.1	<85	<600	1	<2	<40	1	-0.08~-0.05
BZX 55/C 4V3	4.3	5	4.0~4.6	<75	<600	1	<1	<20	1	-0.06~-0.03
BZX 55/C 4V7	4.7	5	4.4~5.0	<60	<600	1	<0.5	<10	1	-0.05~+0.02
BZX 55/C 5V1	5.1	5	4.8~5.4	<35	<550	1	<0.1	<2	1	-0.02~+0.02
BZX 55/C 5V6	5.6	5	5.2~6.0	<25	<450	1	<0.1	<2	1	-0.05~+0.05
BZX 55/C 6V2	6.2	5	5.8~6.6	<10	<200	1	<0.1	<2	2	0.03~0.06
BZX 55/C 6V8	6.8	5	6.4~7.2	<8	<150	1	<0.1	<2	3	0.03~0.07
BZX 55/C 7V5	7.5	5	7.0~7.9	<7	<50	1	<0.1	<2	5	0.03~0.07
BZX 55/C 8V2	8.2	5	7.7~8.7	<7	<50	1	<0.1	<2	6.2	0.03~0.08
BZX 55/C 9V1	9.1	5	8.5~9.6	<10	<50	1	<0.1	<2	6.8	0.03~0.09
BZX 55/C 10	10	5	9.4~10.6	<15	<70	1	<0.1	<2	7.5	0.03~0.1
BZX 55/C 11	11	5	10.4~11.6	<20	<70	1	<0.1	<2	8.2	0.03~0.11
BZX 55/C 12	12	5	11.4~12.7	<20	<90	1	<0.1	<2	9.1	0.03~0.11
BZX 55/C 13	13	5	12.4~14.1	<26	<110	1	<0.1	<2	10	0.03~0.11
BZX 55/C 15	15	5	13.8~15.6	<30	<110	1	<0.1	<2	11	0.03~0.11
BZX 55/C 16	16	5	15.3~17.1	<40	<170	1	<0.1	<2	12	0.03~0.11
BZX 55/C 18	18	5	16.8~19.1	<50	<170	1	<0.1	<2	13	0.03~0.11
BZX 55/C 20	20	5	18.8~21.2	<55	<220	1	<0.1	<2	15	0.03~0.11
BZX 55/C 22	22	5	20.8~23.3	<55	<220	1	<0.1	<2	16	0.04~0.12
BZX 55/C 24	24	5	22.8~25.6	<80	<220	1	<0.1	<2	18	0.04~0.12
BZX 55/C 27	27	5	25.1~28.9	<80	<220	1	<0.1	<2	20	0.04~0.12
BZX 55/C 30	30	5	28~32	<80	<220	1	<0.1	<2	22	0.04~0.12
BZX 55/C 33	33	5	31~35	<80	<220	1	<0.1	<2	24	0.04~0.12
BZX 55/C 36	36	5	34~38	<80	<220	1	<0.1	<2	27	0.04~0.12
BZX 55/C 39	39	2.5	37~41	<90	<500	0.5	<0.1	<5	30	0.04~0.12
BZX 55/C 43	43	2.5	40~46	<90	<500	0.5	<0.1	<5	33	0.04~0.12
BZX 55/C 47	47	2.5	44~50	<110	<600	0.5	<0.1	<5	36	0.04~0.12
BZX 55/C 51	51	2.5	48~54	<125	<700	0.5	<0.1	<10	39	0.04~0.12
BZX 55/C 56	56	2.5	52~60	<135	<700	0.5	<0.1	<10	43	0.04~0.12
BZX 55/C 62	62	2.5	58~66	<150	<1000	0.5	<0.1	<10	47	0.04~0.12
BZX 55/C 68	68	2.5	64~72	<200	<1000	0.5	<0.1	<10	51	0.04~0.12
BZX 55/C 75	75	2.5	70~79	<250	<1000	0.5	<0.1	<10	56	0.04~0.12
BZX 55/C 82	82	2.5	77~87	<300	<1500	0.25	<0.1	<10	62	0.05~0.12
BZX 55/C 91	91	1	85~96	<450	<2000	0.1	<0.1	<10	68	0.05~0.12
BZX 55/C 100	100	1	94~106	<450	<5000	0.1	<0.1	<10	75	0.05~0.12
BZX 55/C 110	110	1	104~116	<600	<5000	0.1	<0.1	<10	82	0.05~0.12
BZX 55/C 120	120	1	114~127	<800	<5500	0.1	<0.1	<10	91	0.05~0.12
BZX 55/C 130	130	1	124~141	<950	<6000	0.1	<0.1	<10	100	0.05~0.12
BZX 55/C 150	150	1	138~156	<1250	<6500	0.1	<0.1	<10	110	0.05~0.12
BZX 55/C 160	160	1	153~171	<1400	<7000	0.1	<0.1	<10	120	0.05~0.12
BZX 55/C 180	180	1	168~191	<1700	<8500	0.1	<0.1	<10	130	0.05~0.12
BZX 55/C 200	200	1	188~212	<2000	<10000	0.1	<0.1	<10	150	0.05~0.12

1) Teated with pulses tp=20ms.
2) Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case.
3) The BZX55-C0V8 is a silicon diode with operation in froward direction. Hence,the index of all parameters should be “F” instead of “Z”. Connect the cathode lead to the negative pole.

WEJ®

ZENER DIODES

（package）:DO-35

ÐÍºÅ TYPE	ÎÈ Ñ¹·¶ Î§ Zener Voltage Range[1]			¶¯Ì¬×èÀ¸ Dynamic resistance			·´ ïòÂ©µçÁ÷A Reverse Leakage Current		ÎÈ Ñ¹ÎÂ ¶ÈÏµ Êý Temp.Coeffcient of Zener Voltage
	V_{znom}	I_{ZT} for V_{ZT}[2]		r_{zjT} and r_{zjK} at I_{ZK}			I_R for I_R[2] at V_R		TK_{VZ}
	V	mA	V	Ω	Ω	mA	μA	V	%/K
BZX 85/C 2V7	2.7	80	2.5~2.9	<20	<400	1	<150	1	-0.08~-0.05
BZX 85/C 3V0	3.0	80	2.8~3.2	<20	<400	1	<100	1	-0.08~-0.05
BZX 85/C 3V3	3.3	70	3.1~3.5	<20	<400	1	<40	1	-0.08~-0.05
BZX 85/C 3V6	3.6	60	3.4~3.8	<15	<500	1	<20	1	-0.08~-0.05
BZX 85/C 3V9	3.9	60	3.7~4.1	<15	<500	1	<10	1	-0.07~-0.02
BZX 85/C 4V3	4.3	50	4.0~4.6	<13	<500	1	<3	1	-0.07~+0.01
BZX 85/C 4V7	4.7	45	4.4~5.0	<13	<600	1	<3	1	-0.03~+0.04
BZX 85/C 5V1	5.1	45	4.8~5.4	<10	<500	1	<1	1.5	-0.01~+0.04
BZX 85/C 5V6	5.6	45	5.2~6.0	<7	<400	1	<1	2	0~+0.045
BZX 85/C 6V2	6.2	35	5.8~6.6	<4	<300	1	<1	3	+0.01~+0.055
BZX 85/C 6V8	6.8	35	6.4~7.2	<3.5	<300	1	<1	4	+0.015~+0.06
BZX 85/C 7V5	7.5	35	7.0~7.9	<3	<200	0.5	<1	4.5	+0.02~+0.065
BZX 85/C 8V2	8.2	25	7.7~8.7	<5	<200	0.5	<1	6.2	0.03~0.07
BZX 85/C 9V1	9.1	25	8.5~9.6	<5	<200	0.5	<1	6.8	0.035~0.075
BZX 85/C 10	10	25	9.4~10.6	<7	<200	0.5	<0.5	7	0.04~0.08
BZX 85/C 11	11	20	10.4~11.6	<8	<300	0.5	<0.5	8.2	0.045~0.08
BZX 85/C 12	12	20	11.4~12.7	<9	<350	0.5	<0.5	9.1	0.045~0.085
BZX 85/C 13	13	20	12.4~14.1	<10	<400	0.5	<0.5	10	0.05~0.085
BZX 85/C 15	15	15	13.8~15.6	<15	<500	0.5	<0.5	11	0.055~0.09
BZX 85/C 16	16	15	15.3~17.1	<15	<500	0.5	<0.5	12	0.055~0.09
BZX 85/C 18	18	15	16.8~19.1	<20	<500	0.5	<0.5	13	0.06~0.09
BZX 85/C 20	20	10	18.8~21.2	<24	<600	0.5	<0.5	15	0.06~0.09
BZX 85/C 22	22	10	20.8~23.3	<25	<600	0.5	<0.5	16	0.06~0.095
BZX 85/C 24	24	10	22.8~25.6	<25	<600	0.5	<0.5	18	0.06~0.095
BZX 85/C 27	27	8	25.1~28.9	<30	<750	0.25	<0.5	20	0.06~0.095
BZX 85/C 30	30	8	28~32	<30	<1000	0.25	<0.5	22	0.06~0.095
BZX 85/C 33	33	8	31~35	<35	<1000	0.25	<0.5	24	0.06~0.095
BZX 85/C 36	36	8	34~38	<40	<1000	0.25	<0.5	27	0.06~0.095
BZX 85/C 39	39	6	37~41	<50	<1000	0.25	<0.5	30	0.06~0.095
BZX 85/C 43	43	6	40~46	<50	<1000	0.25	<0.5	33	0.06~0.095
BZX 85/C 47	47	4	44~50	<90	<1500	0.25	<0.5	36	0.06~0.095
BZX 85/C 51	51	4	48~54	<115	<1500	0.25	<0.5	39	0.06~0.095
BZX 85/C 56	56	4	52~60	<120	<2000	0.25	<0.5	43	0.06~0.095
BZX 85/C 62	62	4	58~66	<125	<2000	0.25	<0.5	47	0.06~0.095
BZX 85/C 68	68	4	64~72	<130	<2000	0.25	<0.5	51	0.06~0.095
BZX 85/C 75	75	4	70~79	<135	<2000	0.25	<0.5	56	0.06~0.095
BZX 85/C 82	82	2.7	77~87	<200	<3000	0.25	<0.5	62	0.07~0.10
BZX 85/C 91	91	2.7	85~96	<250	<3000	0.25	<0.5	68	0.07~0.10
BZX 85/C 100	100	2.7	94~106	<350	<3000	0.25	<0.5	75	0.07~0.11
BZX 85/C 110	110	2.7	104~116	<450	<4000	0.25	<0.5	82	0.07~0.11
BZX 85/C 120	120	2	114~127	<550	<4500	0.25	<0.5	91	0.07~0.11
BZX 85/C 130	130	2	124~141	<700	<5000	0.25	<0.5	100	0.07~0.11
BZX 85/C 150	150	2	138~156	<1000	<6000	0.25	<0.5	110	0.07~0.11
BZX 85/C 160	160	1.5	153~171	<1100	<6500	0.25	<0.5	120	0.07~0.11
BZX 85/C 180	180	1.5	168~191	<1200	<7000	0.25	<0.5	130	0.07~0.11
BZX 85/C 200	200	1.5	188~212	<1500	<8000	0.25	<0.5	150	0.07~0.11

1) Teated with pulses tp=20ms.
2) Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case.

WEJ®

ZENER DIODES

（package）:DO-35

1N5221 THRU 1N5272 ELECTRICAL CHARACTERISTICS

(TA=25℃ unless otherwise noted.Based on dc measurements at thermat equilibrium;lead length=3/8″;thermal resistance of haeat sink=30℃/W)(V_F=1.1max I_F=200mA for all types)(TA=25℃ V_{FMAX}=1.1V I_F=200mA)

JEDEC TYPE NO. (NOTE 1)	Nommar Zener Voltage $V_{Z@I_{ZT}}$ Volts	Test Current I_{ZT} mA	Max Zener Impedance A and B Suffix only		Max Reverse Leakage Current				Max Zener Temperature Coetf.(A and B Suffix only) V_A(%/℃)
					A and B Suffix only			Non-Suffix	
			$Z_{ZT@I_{ZT}}$ Ohms	$Z_{Zk@I_{ZK}}$=0.25A Ohms	I_R μA	@ A	V_R Volts B	$I_{R@Vr}$ Uesd for Suffix A μA	
IN5221	2.4	20	30	1200	100	0.95	1.0	200	-0.085
IN5222	2.5	20	30	1250	100	0.95	1.0	200	-0.085
IN5223	2.7	20	30	1300	75	0.95	1.0	150	-0.080
IN5224	2.8	20	30	1400	75	0.95	1.0	150	-0.080
IN5225	3.0	20	29	1600	50	0.95	1.0	100	-0.075
IN5226	3.3	20	28	1600	25	0.95	1.0	100	-0.070
IN5227	3.6	20	24	1700	15	0.95	1.0	100	-0.065
IN5228	3.9	20	23	1900	10	0.95	1.0	75	-0.060
IN5229	4.3	20	22	2000	5.0	0.95	1.0	50	K0.055
IN5230	4.7	20	19	1900	5.0	1.9	2.0	50	K0.030
IN5231	5.1	20	17	1600	5.0	1.9	2.0	50	K0.030
IN5232	5.6	20	11	1600	5.0	2.9	3.0	50	K0.038
IN5233	6.0	20	7.0	1600	5.0	3.3	3.5	50	+0.038
IN5234	6.2	20	7.0	1000	5.0	3.8	4.0	50	+0.045
IN5235	6.8	20	5.0	750	3.0	4.8	5.0	30	+0.050
IN5236	7.5	20	6.0	500	3.0	5.7	6.0	30	+0.058
IN5237	8.2	20	8.0	500	3.0	6.2	6.5	30	+0.062
IN5238	8.7	20	8.0	600	3.0	6.2	6.5	30	+0.065
IN5239	9.1	20	10	600	3.0	6.7	7.0	30	+0.068
IN5240	10	20	17	600	3.0	7.6	8.0	30	+0.075
IN5241	11	20	22	600	2.0	8.0	8.4	30	+0.076
IN5242	12	20	30	600	1.0	8.7	9.1	10	+0.077
IN5243	13	9.5	13	600	0.5	9.4	9.9	10	+0.079
IN5244	14	9.0	15	600	0.1	9.5	10	10	+0.082
IN5245	15	8.5	16	600	0.1	10.5	11	10	+0.082
IN5246	16	7.8	17	600	0.1	11.4	12	10	+0.083
IN5247	17	7.4	19	600	0.1	12.4	13	10	+0.084
IN5248	18	7.0	21	600	0.1	13.3	14	10	+0.085
IN5249	19	6.6	23	600	0.1	13.3	14	10	+0.086
IN5250	20	6.2	25	600	0.1	14.3	15	10	+0.086
IN5251	22	5.6	29	600	0.1	16.2	17	10	+0.087
IN5252	24	5.2	33	600	0.1	17.1	18	10	+0.088
IN5253	25	5.0	35	600	0.1	18.1	19	10	+0.089
IN5254	27	4.6	41	600	0.1	20	21	10	+0.090
IN5255	28	4.5	44	600	0.1	20	21	10	+0.091
IN5256	30	4.2	49	600	0.1	22	23	10	+0.091
IN5257	33	3.8	58	700	0.1	24	25	10	+0.092
IN5258	36	3.4	70	700	0.1	26	27	10	+0.093
IN5259	39	3.2	80	800	0.1	29	30	10	+0.094
IN5260	43	3.0	93	900	0.1	31	33	10	+0.095
IN5261	47	2.7	105	1000	0.1	34	36	10	+0.095
IN5262	51	2.5	125	1100	0.1	37	39	10	+0.096
IN5263	56	2.2	150	1300	0.1	41	43	10	+0.096
IN5264	60	2.1	170	1400	0.1	44	46	10	+0.097
IN5265	62	2.0	185	1400	0.1	45	47	10	+0.097
IN5266	68	1.8	230	1600	0.1	49	52	10	+0.097
IN5267	75	1.7	270	1700	0.1	53	56	10	+0.098
IN5268	82	1.5	330	2000	0.1	59	62	10	+0.098
IN5269	87	1.4	370	2200	0.1	65	68	10	+0.099
IN5270	91	1.4	400	2300	0.1	66	69	10	+0.099
IN5271	100	1.3	500	2600	0.1	72	76	10	+0.110
IN5272	110	1.1	750	3000	0.1	80	84	10	+0.110

NOTE 1.Tolorence-The JEDEC type numbers shown indicate a tolorence of K 10%: with guaranteed limis on only V_Z I_R and V_F as shown in the electrical characteristics are indicated by suffix "A" for + 10% toelrance and suffix "B" for K5.0% units.

注1:Vz为中心值.其中A档容差K10% B档容差K5%.

WEJ®

ZENER DIODES

（package）:DO-41

1N4728A THRU 1N4764A* ELECTRICAL CHARACTERISTICS
(TA=25℃ unless otherwise noted.)
VF=1.2max IF=200mA for all types TA=25℃ VFMAX=1.2V IF=200mA

JEDEC TYPE NO. (NOTE 1)	Nommar Zener Voltage Vz@IZT Volts	Test Current IZT mA	Max Zener Impedance A and B Suffix only			Leakage Current		Surge Current@ TA=25 C Ir-mA°
			ZZT@IZT Ohms	ZZT@IZK Ohms	IZK mA	IR μA Max	VR Volts	
IN4728A	3.3	76	10	400	1	100	1	1380
IN4729A	3.6	69	10	400	1	100	1	1260
IN4730A	3.9	64	9	400	1	50	1	1190
IN4731A	4.3	58	9	400	1	10	1	1070
IN4732A	4.7	53	8	500	1	10	1	970
IN4733A	5.1	49	7	550	1	10	1	890
IN4734A	5.6	45	5	600	1	10	2	810
IN4735A	6.2	41	2	700	1	10	3	730
IN4736A	6.8	37	3.5	700	1	10	4	660
IN4737A	7.5	37	4	700	0.5	10	5	605
IN4738A	8.2	31	4.5	700	0.5	10	6	550
IN4739A	9.1	28	5	700	0.5	10	7	500
IN4740A	10	25	7	700	0.25	10	7.6	454
IN4741A	11	23	8	700	0.25	5	8.4	414
IN4742A	12	21	9	700	0.25	5	9.1	380
IN4743A	13	19	10	700	0.25	5	9.9	344
IN4744A	15	17	14	700	0.25	5	11.4	304
IN4745A	16	15.5	18	700	0.25	5	12.2	285
IN4746A	18	14	20	750	0.25	5	13.7	250
IN4747A	20	12.5	22	750	0.25	5	16.2	225
IN4748A	22	11.5	23	750	0.25	5	16.7	205
IN4749A	24	10.5	25	750	0.25	5	18.2	180
IN4750A	27	9.5	35	750	0.25	5	20.5	170
IN4751A	30	8.5	40	1000	0.25	5	22.8	150
IN4752A	33	7.5	45	1000	0.25	5	25.1	135
IN4753A	36	7	50	1000	0.25	5	27.4	125
IN4754A	39	6.5	60	1000	0.25	5	29.7	115
IN4755A	43	6	70	1500	0.25	5	32.7	110
IN4756A	47	5.5	80	1500	0.25	5	35.8	95
IN4757A	51	5	95	1500	0.25	5	38.8	90
IN4758A	56	4.5	110	2000	0.25	5	42.6	80
IN4759A	62	4	125	2000	0.25	5	47.1	70
IN4760A	68	3.7	150	2000	0.25	5	51.7	65
IN4761A	75	3.3	175	2000	0.25	5	58	60
IN4762A	82	3	200	3000	0.25	5	62.2	55
IN4763A	91	2.8	250	3000	0.25	5	69.2	50
IN4764A	100	2.5	350	3000	0.25	5	76	45

*Indicates JEDEC Registered Data
NOTE 1.Tolorence and type numbers designation
The JEDCE type numbers listed have a standard
Tolerrance on the nominal zener voltage of K5.0%.

注1:Vz容差控制在±5%.