ZENER DIODES (1.5 WATTS) BZY97 SERIES

CASE TYPE: DO-41 Plastic

Type	Zener voltage at I_{ZT} min. max. V_Z -V	Dynamic resistance at—I_{ZT} f = 1 kHz max r_{zj} Ohm	Temp. coeff. of Zener volt. at I_{ZT} @v_Z 10^{-4}/K	Test current I_{ZT} mA	Leakage current I_R µA	Reverse voltage V_R V	Admissible Zener current at T_{amb} = 60°C I_Z mA	I_{ZSM} mA t_p = 10 ms A
BZY97 – C11	10.4 ... 11.6	7	+5 ... +10	50	0.5	5	129	1.3
BZY97 – C12	11.4 ... 12.7	7	+5 ... +10	50	0.5	7	118	1.2
BZY97 – C13	12.4 ... 14.1	10	+5 ... +10	50	0.5	7	106	1.1
BZY97 – C15	13.8 ... 15.6	10	+5 ... +10	50	0.5	10	96	1.0
BZY97 – C16	15.3 ... 17.1	15	+6 ... +11	25	0.5	10	88	0.90
BZY97 – C18	16.8 ... 19.1	15	+6 ... +11	25	0.5	10	79	0.81
BZY97 – C20	18.8 ... 21.2	15	+6 ... +11	25	0.5	10	71	0.73
BZY97 – C22	20.8 ... 23.3	15	+6 ... +11	25	0.5	12	64	0.66
BZY97 – C24	22.8 ... 25.6	15	+6 ... +11	25	0.5	12	59	0.60
BZY97 – C27	25.1 ... 28.9	15	+6 ... +11	25	0.5	14	52	0.53
BZY97 – C30	28 ... 32	15	+6 ... +11	25	0.5	14	47	0.48
BZY97 – C33	31 ... 35	15	+6 ... +11	25	0.5	17	43	0.44
BZY97 – C36	34 ... 38	40	+6 ... +11	10	0.5	17	40	0.40
BZY97 – C39	37 ... 41	40	+6 ... +11	10	0.5	20	37	0.38
BZY97 – C43	40 ... 46	45	+7 ... +12	10	0.5	20	33	0.33
BZY97 – C47	44 ... 50	45	+7 ... +12	10	0.5	24	30	0.31
BZY97 – C51	48 ... 54	60	+7 ... +12	10	0.5	24	28	0.28
BZY97 – C56	52 ... 60	60	+7 ... +12	10	0.5	28	25	0.26
BZY97 – C62	58 ... 66	80	+7 ... +12	10	0.5	28	23	0.23
BZY97 – C68	64 ... 72	80	+7 ... +12	10	0.5	34	21	0.21

Notes:

(1) Tested with pulses tp = 5 ms

(2) Consult factory for voltages above 68V