

1. PRODUCT Zener Diode
2. TYPE KDZ TF Series (2.0V ~ 36V)
3. APPLICATION Voltage regulation
4. FEATURE Small power mold type (PMDU)

5. ABSOLUTE MAXIMUM RATING (Ta=25°C)

Power dissipation

P 1000 mW

Junction temperature

Tj 150 °C

Storage temperature

Tstg -55~150 °C

6. ELECTRICAL CHARACTERISTIC (Ta=25°C)

TYPE	Zener voltage				Reverse current	
		Vz (V)			IR (μA)	
		MIN.	MAX.	Iz (mA)	MAX.	VR (V)
KDZ 2.0	A	1.880	2.210	40	200	0.5
	B	2.000	2.240			
KDZ 2.2	A	2.080	2.330	40	200	0.7
	B	2.200	2.450			
KDZ 2.4	A	2.280	2.560	40	200	1.0
	B	2.400	2.700			
KDZ 2.7	A	2.500	2.900	40	200	1.0
	B	2.700	3.100			
KDZ 3.0	A	2.800	3.200	40	100	1.0
	B	3.000	3.400			
KDZ 3.3	A	3.100	3.500	40	80	1.0
	B	3.300	3.700			
KDZ 3.6	A	3.400	3.800	40	60	1.0
	B	3.600	4.000			
KDZ 3.9	A	3.700	4.100	40	40	1.0
	B	3.900	4.400			
KDZ 4.3	A	4.000	4.500	40	20	1.0
	B	4.300	4.800			
KDZ 4.7	A	4.400	4.900	40	20	1.0
	B	4.700	5.200			
KDZ 5.1	A	4.800	5.400	40	20	1.0
	B	5.100	5.700			
KDZ 5.6	A	5.300	6.000	40	20	1.5
	B	5.600	6.300			
KDZ 6.2	A	5.800	6.600	40	20	3.0
	B	6.200	7.000			
KDZ 6.8	A	6.400	7.200	40	20	3.5
	B	6.800	7.700			

DESIGN

CHECK

APPROVAL

DATE:FEB.9.2007

SPECIFICATION No. : KDZ Series *E

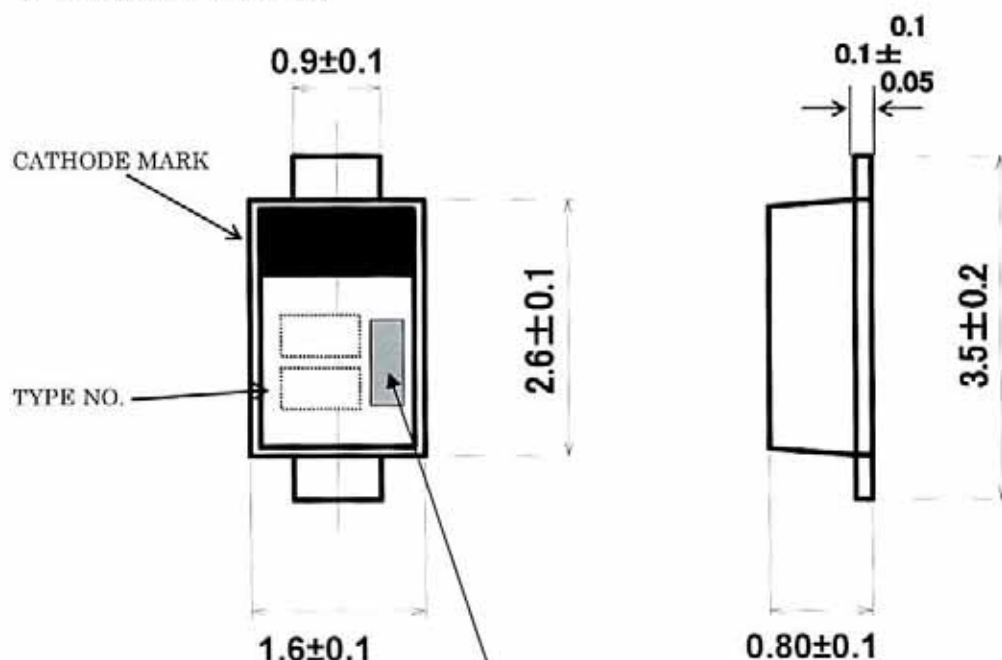
REV.101

ROHM CO., LTD.

TYPE	Zener voltage				Reverse current	
		V _z (V)			I _R (μA)	
		MIN.	MAX.	I _z (mA)	MAX.	V _R (V)
KDZ 7.5	A	7.000	7.900	40	20	4.0
	B	7.500	8.400			
KDZ 8.2	A	7.700	8.700	40	20	5.0
	B	8.200	9.300			
KDZ 9.1	A	8.500	9.600	40	20	6.0
	B	9.100	10.200			
KDZ 10	A	9.400	10.600	40	10	7.0
	B	10.000	11.200			
KDZ 11	A	10.400	11.600	20	10	8.0
	B	11.000	12.300			
KDZ 12	A	11.400	12.600	20	10	9.0
	B	12.000	13.500			
KDZ 13	A	12.400	14.100	20	10	10.0
	B	13.300	15.000			
KDZ 15	A	13.800	15.600	20	10	11.0
	B	14.700	16.500			
KDZ 16	A	15.300	17.100	20	10	12.0
	B	16.200	18.300			
KDZ 18	A	16.800	19.100	20	10	13.0
	B	18.000	20.300			
KDZ 20	A	18.800	21.200	20	10	15.0
	B	20.000	22.400			
KDZ 22	A	20.800	23.300	10	10	17.0
	B	22.000	24.500			
KDZ 24	A	22.800	25.600	10	10	19.0
	B	24.000	27.600			
KDZ 27	A	25.100	28.900	10	10	21.0
	B	27.000	30.800			
KDZ 30	A	28.000	32.000	10	10	23.0
	B	30.000	34.000			
KDZ 33	A	31.000	35.000	10	10	25.0
	B	33.000	37.000			
KDZ 36	A	34.000	38.000	10	10	27.0
	B	36.000	40.000			

(1) Small classification of zener voltage(V_z) shall be measur
40ms after loading current.

7. DIMENSION (UNIT:mm)



There is dot on the package which tells production year, week and its product manufacture.

8. MARKING (TYPE No)

TYPE	TYPE NO.			TYPE	TYPE NO.		
	1st	2nd			1st	2nd	
		A	B			A	B
KDZ 2.0	A	A	B	KDZ 9.1	S	A	B
KDZ 2.2	B	A	B	KDZ 10	T	A	B
KDZ 2.4	C	A	B	KDZ 11	U	A	B
KDZ 2.7	D	A	B	KDZ 12	V	A	B
KDZ 3.0	E	A	B	KDZ 13	W	A	B
KDZ 3.3	F	A	B	KDZ 15	X	A	B
KDZ 3.6	G	A	B	KDZ 16	Y	A	B
KDZ 3.9	H	A	B	KDZ 18	Z	A	B
KDZ 4.3	J	A	B	KDZ 20	A	C	D
KDZ 4.7	K	A	B	KDZ 22	B	C	D
KDZ 5.1	L	A	B	KDZ 24	C	C	D
KDZ 5.6	M	A	B	KDZ 27	D	C	D
KDZ 6.2	N	A	B	KDZ 30	E	C	D
KDZ 6.8	P	A	B	KDZ 33	F	C	D
KDZ 7.5	Q	A	B	KDZ 36	G	C	D
KDZ 8.2	R	A	B				

(EX) KDZ 6.2B



1st Marking

N

2nd Marking

B