KDZ series Datasheet

Application

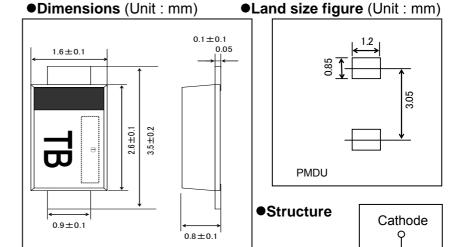
Voltage regulation

Features

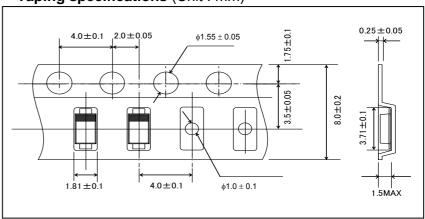
- 1) Small power mold type. (PMDU)
- 2) High ESD tolerance

Construction

Silicon epitaxial planar



● Taping specifications (Unit: mm)



● Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	Р	1000	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

ROHM:

JEDEC: SOD-123

EX. KDZ10B

...... Manufacture Date

Anode

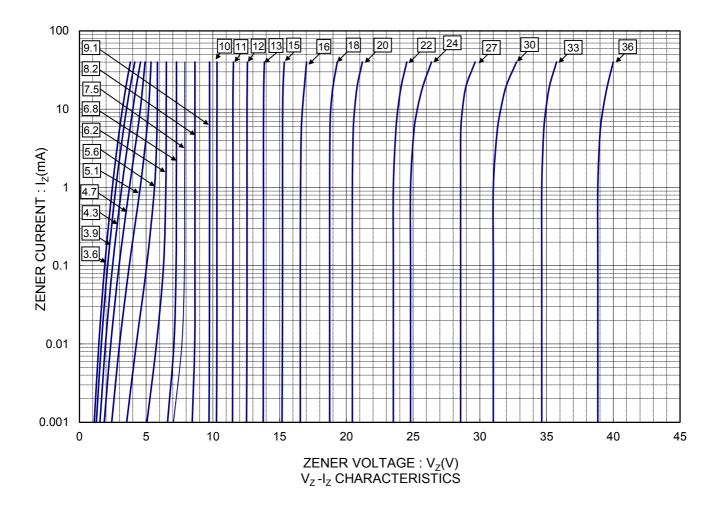
●Electrical characteristics (Ta= 25°C)

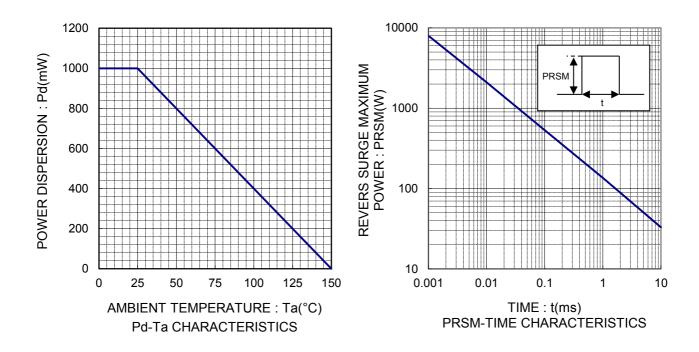
	Symbol					
TYP.	Zener voltage : V _Z (V)				Reverse current	
111.					: I _R (μA)	
	MIN.	TYP.	MAX.	$I_Z(mA)$	MAX.	$V_R(V)$
KDZ 3.6B	3.600	3.813	4.000	40.0	60.0	1.0
KDZ 3.9B	3.900	4.136	4.400	40.0	40.0	1.0
KDZ 4.3B	4.300	4.572	4.800	40.0	20.0	1.0
KDZ 4.7B	4.700	4.924	5.200	40.0	20.0	1.0
KDZ 5.1B	5.100	5.368	5.700	40.0	20.0	1.0
KDZ 5.6B	5.600	5.856	6.300	40.0	20.0	1.5
KDZ 6.2B	6.200	6.509	7.000	40.0	20.0	3.0
KDZ 6.8B	6.800	7.280	7.700	40.0	20.0	3.5
KDZ 7.5B	7.500	7.889	8.400	40.0	20.0	4.0
KDZ 8.2B	8.200	8.655	9.300	40.0	20.0	5.0
KDZ 9.1B	9.100	9.747	10.200	40.0	20.0	6.0
KDZ 10B	10.000	10.310	11.200	40.0	10.0	7.0
KDZ 11B	11.000	11.510	12.300	20.0	10.0	8.0
KDZ 12B	12.000	12.500	13.500	20.0	10.0	9.0
KDZ 13B	13.300	13.820	15.000	20.0	10.0	10.0
KDZ 15B	14.700	15.350	16.500	20.0	10.0	11.0
KDZ 16B	16.200	16.860	18.300	20.0	10.0	12.0
KDZ 18B	18.000	19.000	20.300	20.0	10.0	13.0
KDZ 20B	20.000	20.820	22.400	20.0	10.0	15.0
KDZ 22B	22.000	23.850	24.500	10.0	10.0	17.0
KDZ 24B	24.000	25.310	27.600	10.0	10.0	19.0
KDZ 27B	27.000	28.700	30.800	10.0	10.0	21.0
KDZ 30B	30.000	31.570	34.000	10.0	10.0	23.0
KDZ 33B	33.000	34.950	37.000	10.0	10.0	25.0
KDZ 36B	36.000	39.240	40.000	10.0	10.0	27.0

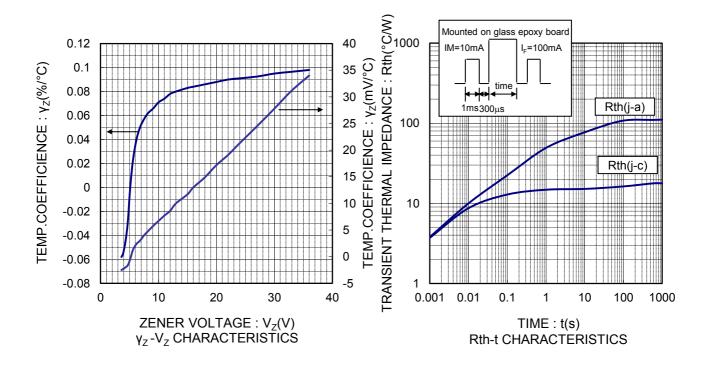
^{*}The Zener voltage (Vz) is measured 40ms after power is supplied.

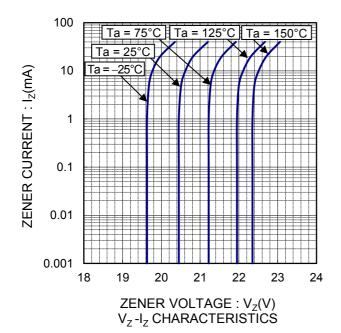
●MARKING (TYPE NO.)

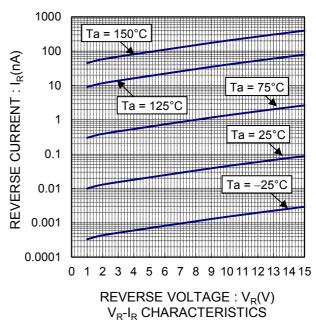
TYPE	TYPE NO.	TYPE	TYPE NO.	
KDZ 3.6B	GB	KDZ 12B	VB	
KDZ 3.9B	HB	KDZ 13B	WB	
KDZ 4.3B	JB	KDZ 15B	ХВ	
KDZ 4.7B	KB	KDZ 16B	YB	
KDZ 5.1B	LB	KDZ 18B	ZB	
KDZ 5.6B	MB	KDZ 20B	AD	
KDZ 6.2B	NB	KDZ 22B	BD	
KDZ 6.8B	PB	KDZ 24B	CD	
KDZ 7.5B	QB	KDZ 27B	DD	
KDZ 8.2B	RB	KDZ 30B	ED	
KDZ 9.1B	SB	KDZ 33B	FD	
KDZ 10B	TB	KDZ 36B	GD	
KDZ 11B	UB			

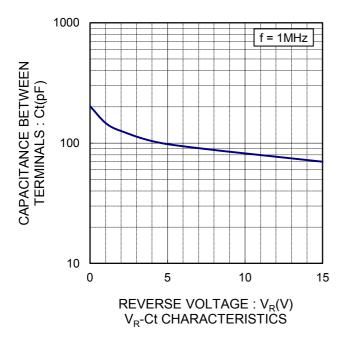


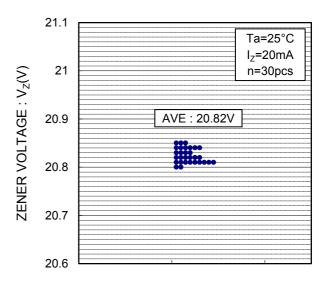




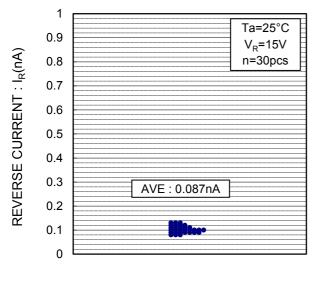


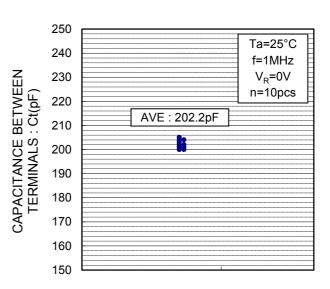






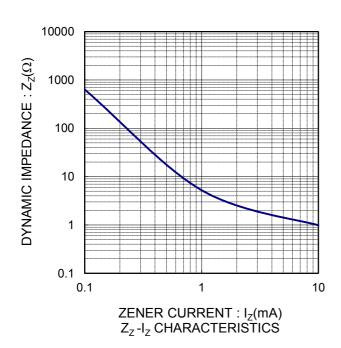
Vz DISPERSION MAP

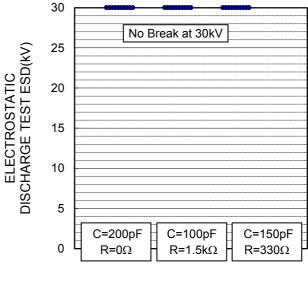




I_R DISPERSION MAP

Ct DISPERSION MAP





ESD DISPERSION MAP

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