



Micro Commercial Components

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# UDZS3.6B THRU UDZS36B

## Features

- Saving space
- Very tight tolerance on zener breakdown voltage
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

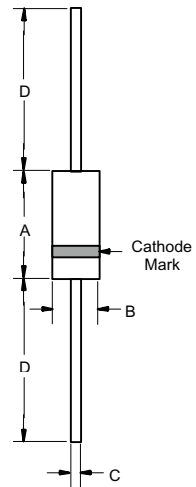
**200 mW  
Zener Diode  
3.6 to 36 Volts**

## Absolute Maximum Ratings

Symbol	Parameter	Rating	Unit
$P_D$	Power dissipation	200	mW
$T_J$	Junction Temperature	150	$^{\circ}\text{C}$
$T_{STG}$	Storage Temperature Range	-55 to +150	$^{\circ}\text{C}$

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

DO-35



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	

## Electrical Characteristics

T<sub>j</sub>=25°C

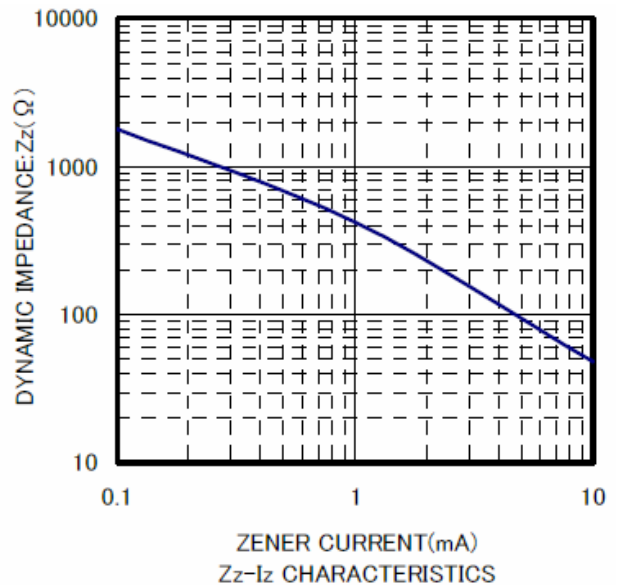
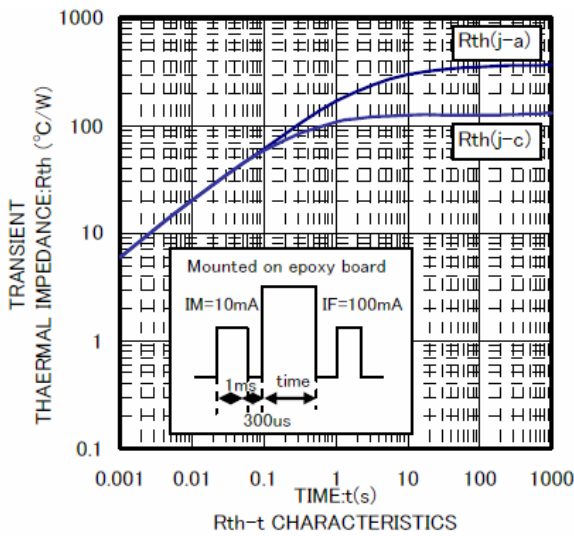
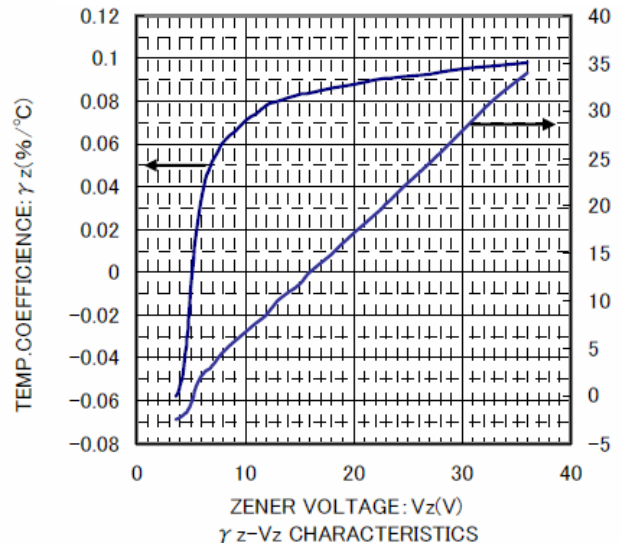
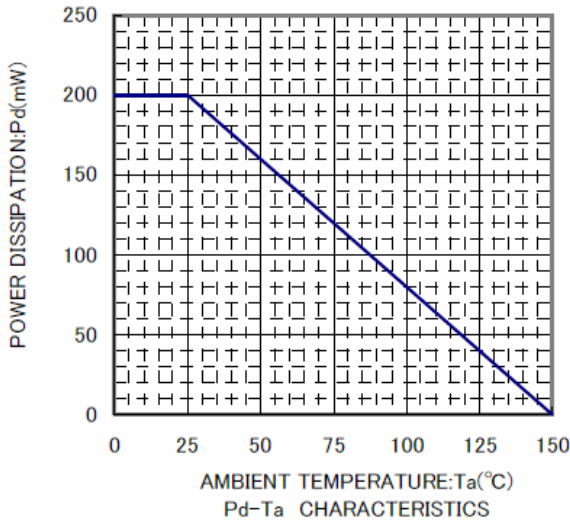
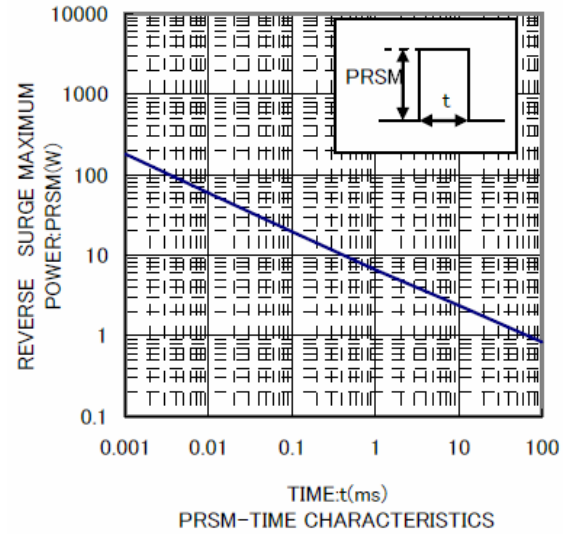
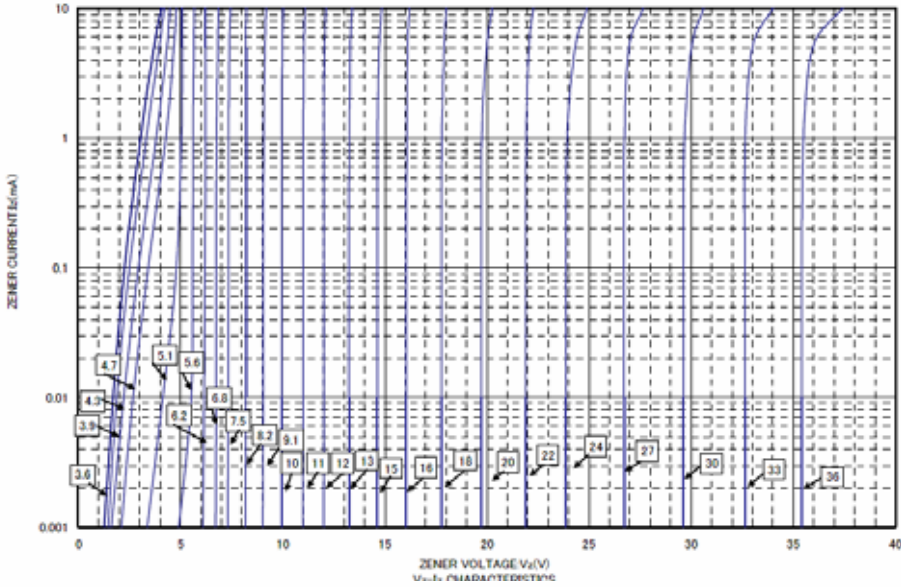
Type Number	Zener voltage range <sup>1)</sup>			Maximum zener Impedance <sup>2)</sup>			Reverse current <sup>1)</sup>	
	V <sub>Z</sub> (V) @ I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	
	Min.	Max.	mA	Ω		mA	μA	V
UDZS3.6B	3.60	3.845	5	100	1000	1.0	10	1.0
UDZS3.9B	3.89	4.16	5	100	1000	1.0	5	1.0
UDZS4.3B	4.17	4.43	5	100	1000	1.0	5	1.0
UDZS4.7B	4.55	4.75	5	100	800	0.5	2	1.0
UDZS5.1B	4.98	5.20	5	80	500	0.5	2	1.5
UDZS5.6B	5.49	5.73	5	60	200	0.5	1	2.5
UDZS6.2B	6.06	6.33	5	60	100	0.5	1	3.0
UDZS6.8B	6.65	6.93	5	40	60	0.5	0.5	3.5
UDZS7.5B	7.28	7.60	5	30	60	0.5	0.5	4.0
UDZS8.2B	8.02	8.36	5	30	60	0.5	0.5	5.0
UDZS9.1B	8.85	9.23	5	30	60	0.5	0.5	6.0
UDZS10B	9.77	10.21	5	30	60	0.5	0.1	7.0
UDZS11B	10.76	11.22	5	30	60	0.5	0.1	8.0
UDZS12B	11.74	12.24	5	30	80	0.5	0.1	9.0
UDZS13B	12.91	13.49	5	37	80	0.5	0.1	10
UDZS15B	14.34	14.98	5	42	80	0.5	0.1	11
UDZS16B	15.85	16.51	5	50	80	0.5	0.1	12
UDZS18B	17.56	18.35	5	65	80	0.5	0.1	13
UDZS20B	19.52	20.39	5	85	100	0.5	0.1	15
UDZS22B	21.54	22.47	5	100	100	0.5	0.1	17
UDZS24B	23.72	24.78	5	120	120	0.5	0.1	19
UDZS27B	26.19	27.53	5	150	150	0.5	0.1	21
UDZS30B	29.19	30.69	5	200	200	0.5	0.1	23
UDZS33B	32.15	33.79	5	250	250	0.5	0.1	25
UDZS36B	35.07	36.87	5	300	300	0.5	0.1	27

1) Short duration test pulse used to minimize self-heating effect

2) The zener impedance (Z<sub>ZT</sub>, Z<sub>ZK</sub>) are measure by superimposing a minute alternating current on the regulated current(I<sub>Z</sub>)

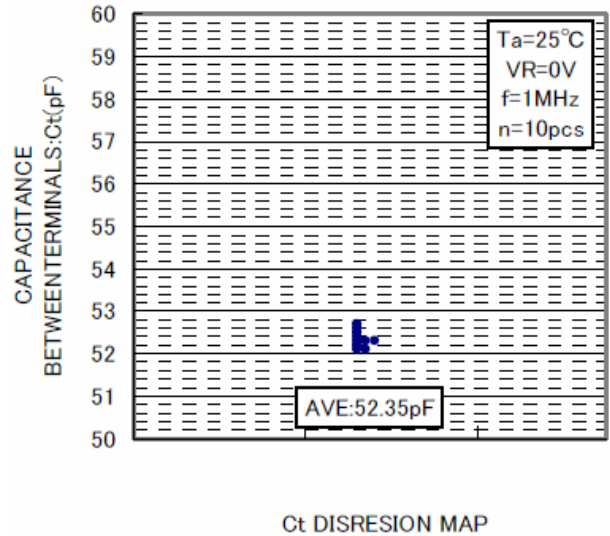
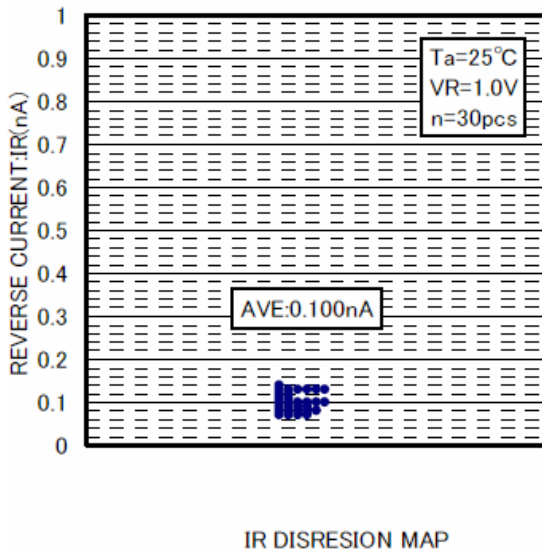
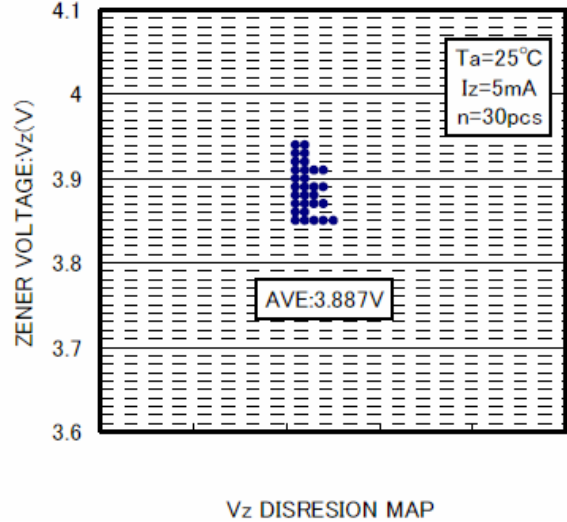
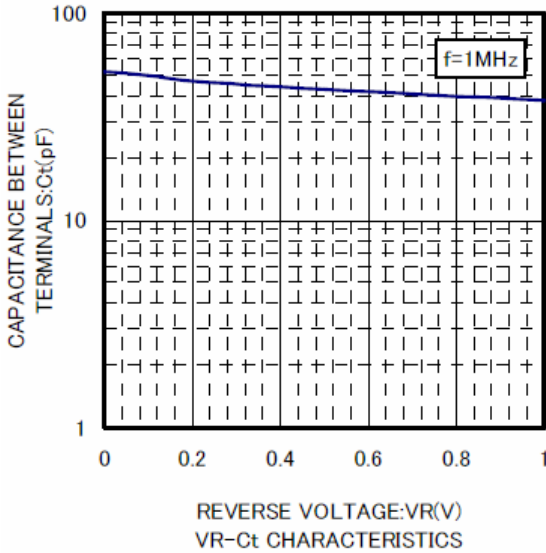
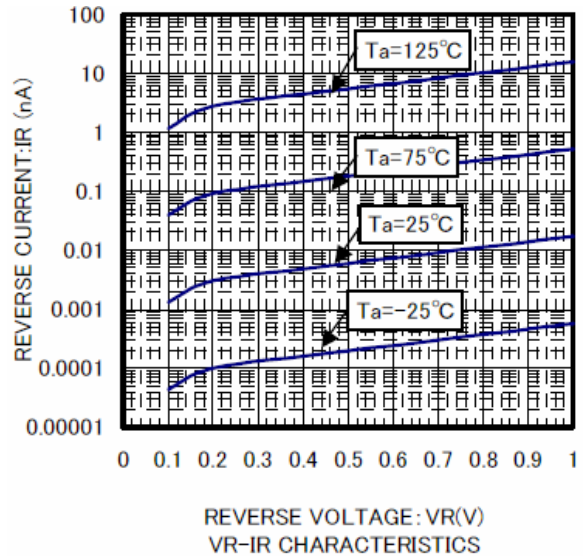
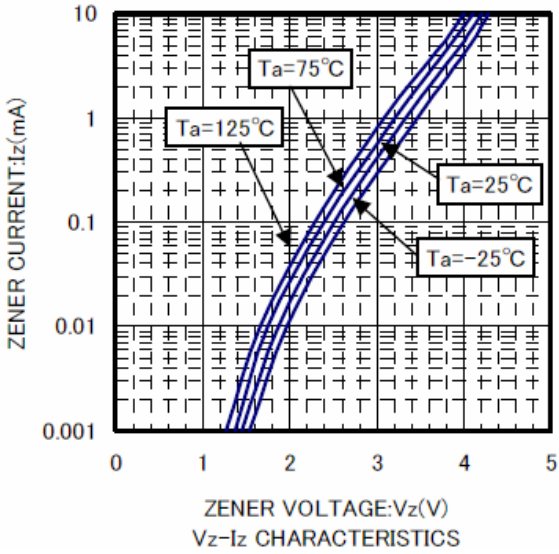
UDZS3.6B THRU UDZS36B

Characteristics ( $T_J=25^\circ\text{C}$  unless otherwise specified)



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## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel; 10Kpcs/Reel
(Part Number)-AP	Ammo Packing;5Kpcs/AmmoBox
(Part Number)-BP	Bulk;500pcs/Bag

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