

ELECTRIAL CHARACTERISTIC (Ta = 25°C)
UDZSXVXB Series



Device	Device Marking	Zener Voltage			Operating resistance		Rising operating resistance		Temp. Coeff. Sz(mV/K) @Izt=5mA		Maximum Reverse Current	
		Vz(V)			Zz (Ω)		Zzk (Ω)				IR	VR
		Min	Max	Iz (mA)	Max	Iz (mA)	Max	Iz (mA)	Min	Max	uA	V
UDZS2V4B	22	2.43	2.63	5	100	5	1000	0.5	-3.5	0	100	1
UDZS2V7B	32	2.69	2.91	5	110	5	1000	0.5	-3.5	0	100	1
UDZS3V0B	42	3.01	3.22	5	120	5	1000	0.5	-3.5	0	50	1
UDZS3V3B	52	3.32	3.53	5	120	5	1000	0.5	-3.5	0	20	1
UDZS3V6B	62	3.6	3.845	5	100	5	1000	1	-3.5	0	10	1
UDZS3V9B	72	3.89	4.16	5	100	5	1000	1	-3.5	-2.5	5	1
UDZS4V3B	82	4.17	4.43	5	100	5	1000	1	-3.5	0	5	1
UDZS4V7B	92	4.55	4.75	5	100	5	800	0.5	-3.5	0.2	2	1
UDZS5V1B	A2	4.98	5.2	5	80	5	500	0.5	-2.7	1.2	2	1.5
UDZS5V6B	C2	5.49	5.73	5	60	5	200	0.5	-2	2.5	1	2.5
UDZS6V2B	E2	6.06	6.33	5	60	5	100	0.5	0.4	3.7	1	3
UDZS6V8B	F2	6.65	6.93	5	40	5	60	0.5	1.2	4.5	0.5	3.5
UDZS7V5B	H2	7.28	7.6	5	30	5	60	0.5	2.5	5.3	0.5	4
UDZS8V2B	J2	8.02	8.36	5	30	5	60	0.5	3.2	6.2	0.5	5
UDZS9V1B	L2	8.85	9.23	5	30	5	60	0.5	3.8	7.0	0.5	6
UDZS10B	05	9.77	10.21	5	30	5	60	0.5	4.5	8.0	0.1	7
UDZS11B	15	10.78	11.22	5	30	5	60	0.5	5.4	9.0	0.1	8
UDZS12B	25	11.74	12.24	5	30	5	80	0.5	6.0	10.0	0.1	9
UDZS13B	35	12.91	13.49	5	37	5	80	0.5	7.0	11.0	0.1	10
UDZS15B	45	14.34	14.98	5	42	5	80	0.5	9.2	13.0	0.1	11
UDZS16B	55	15.85	16.51	5	50	5	80	0.5	10.4	14.0	0.1	12
UDZS18B	65	17.56	18.35	5	65	5	80	0.5	12.4	16.0	0.1	13
UDZS20B	75	19.52	20.39	5	85	5	100	0.5	14.4	18.0	0.1	15
UDZS22B	85	21.54	22.47	5	100	5	100	0.5	16.4	20.0	0.1	17
UDZS24B	95	23.72	24.78	5	120	5	120	0.5	18.4	22.0	0.1	19
UDZS27B	A5	26.19	27.53	5	150	5	150	0.5	21.4	25.3	0.1	21
UDZS30B	C5	29.19	30.69	5	200	5	200	0.5	24.4	29.4	0.1	23
UDZS33B	E5	32.15	33.79	5	250	5	250	0.5	27.4	33.4	0.1	25
UDZS36B	F5	35.07	36.87	5	300	5	300	0.5	30.4	37.4	0.1	27

Note:

1. The zener voltage (Vz) is measured 40ms after power is supplied.
2. The operating resistances (Zz, Zzk) are measured by superimposing a minute alternating current on the regulated current (Iz).

REV. 5, Aug.-2016, KSJR21

RATING AND CHARACTERISTIC CURVES ($T_a = 25^\circ\text{C}$)
UDZSXVXB Series



FIG.1 ZENER VOLTAGE CHARACTERISTICS

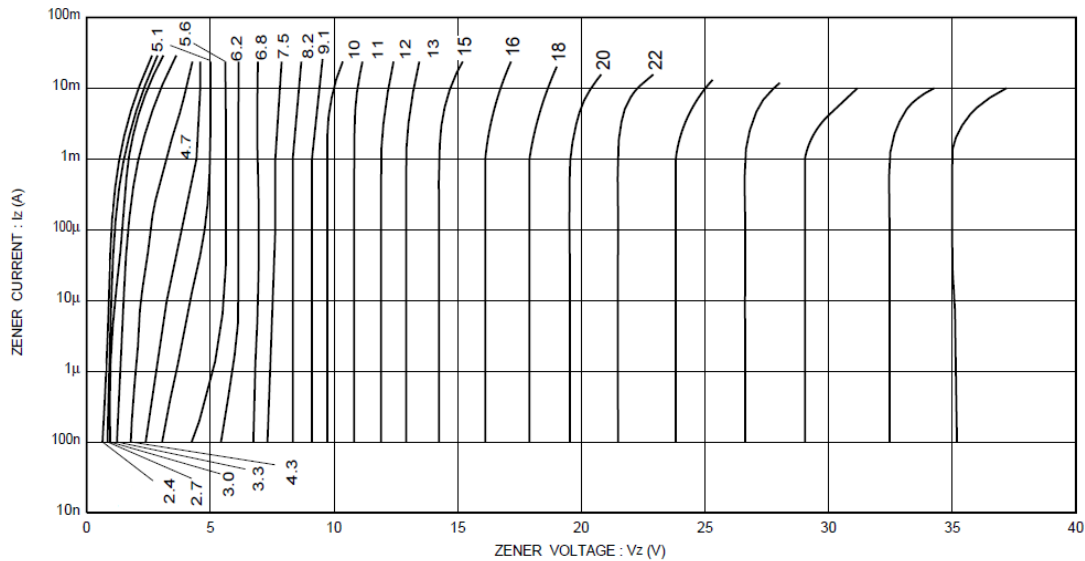


FIG.2 DERATING CURVE

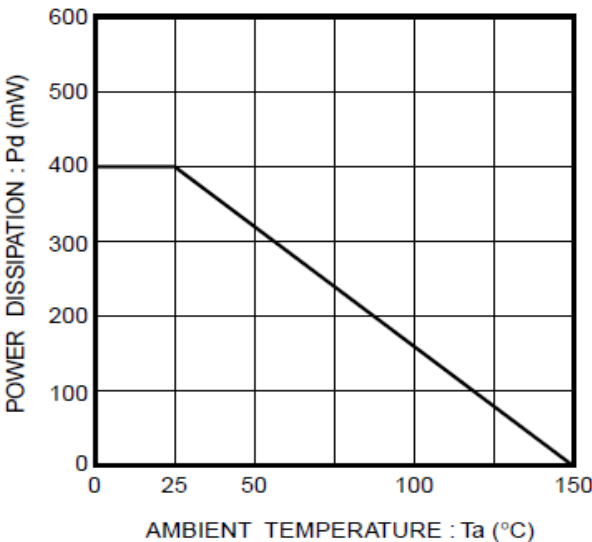
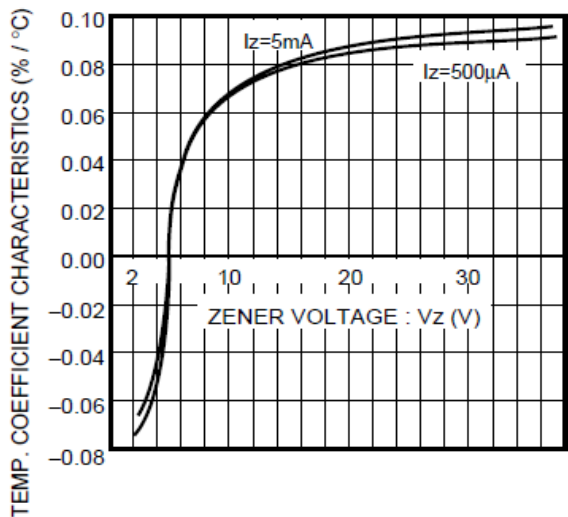


FIG.3 ZENER VOLTAGE TEMP. VS. COEFFICIENT CHARACTERISTICS



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