

Electrical Characteristics(Ta = 25C) °

Part Number	Marking Code	Zener Voltage			Operating resistance		Rising operating Resistance		Reverse current	
		V _Z (V)			ZZT(Ohm)		ZZK(Ohm)		IR(uA)	
		Min	Max	I _Z (mA)	Max	I _Z (mA)	Max	I _Z (mA)	Max	V _R (V)
CZRU2V4B	U2	2.34	2.46	5	100	5	1800	0.25	100	1
CZRU2V7B	U3	2.63	2.77	5	100	5	1900	0.25	75	1
CZRU3V0B	U4	2.93	3.08	5	95	5	2000	0.25	50	1
CZRU3V3B	U5	3.22	3.38	5	95	5	2200	0.25	25	1
CZRU3V6B	U6	3.51	3.69	5	90	5	2300	0.25	15	1
CZRU3V9B	U7	3.80	4.00	5	90	5	2400	0.25	10	1
CZRU4V3B	U8	4.19	4.41	5	88	5	2500	0.25	5	1
CZRU4V7B	U9	4.58	4.82	5	70	5	2200	0.25	3	1.5
CZRU5V1B	UA	4.97	5.23	5	50	5	2050	0.25	2	2
CZRU5V6B	UB	5.46	5.74	5	25	5	1800	0.25	2	3
CZRU6V2B	UC	6.05	6.36	5	10	5	1300	0.25	1	4
CZRU6V8B	UE	6.63	6.97	5	8	5	750	0.25	1	5.2
CZRU7V5B	UF	7.31	7.69	5	7	5	600	0.25	0.5	6
CZRU8V2B	UG	8.00	8.41	5	7	5	600	0.25	0.5	6.5
CZRU9V1B	UH	8.87	9.33	5	10	5	600	0.25	0.1	7
CZRU10VB	UJ	9.75	10.25	5	15	5	600	0.25	0.1	8
CZRU11VB	UK	10.73	11.27	5	18	5	600	0.25	0.1	8.4
CZRU12VB	UM	11.70	12.30	5	22	5	600	0.25	0.1	9.1
CZRU13VB	UN	12.68	13.32	5	25	5	600	0.25	0.1	9.9
CZRU15VB	UP	14.63	15.37	5	32	5	600	0.25	0.1	11
CZRU16VB	UQ	15.60	16.40	5	36	5	600	0.25	0.1	12
CZRU18VB	UR	17.55	18.45	5	42	5	600	0.25	0.1	14
CZRU20VB	US	19.50	20.50	5	48	5	600	0.25	0.1	15
CZRU22VB	UT	21.45	22.55	5	55	5	600	0.25	0.1	17
CZRU24VB	UU	23.40	24.60	5	62	5	600	0.25	0.1	18
CZRU27VB	UV	26.33	27.67	5	70	5	600	0.25	0.1	21
CZRU30VB	UW	29.25	30.75	5	78	5	600	0.25	0.1	23
CZRU33VB	UX	32.18	33.82	5	88	5	700	0.25	0.1	25
CZRU36VB	UY	35.10	36.90	5	95	5	700	0.25	0.1	27
CZRU39VB	UZ	38.03	39.97	5	130	5	800	0.25	0.1	30

RATING AND CHARACTERISTIC CURVES (CZRU2V4B Thru CZRU39VB)

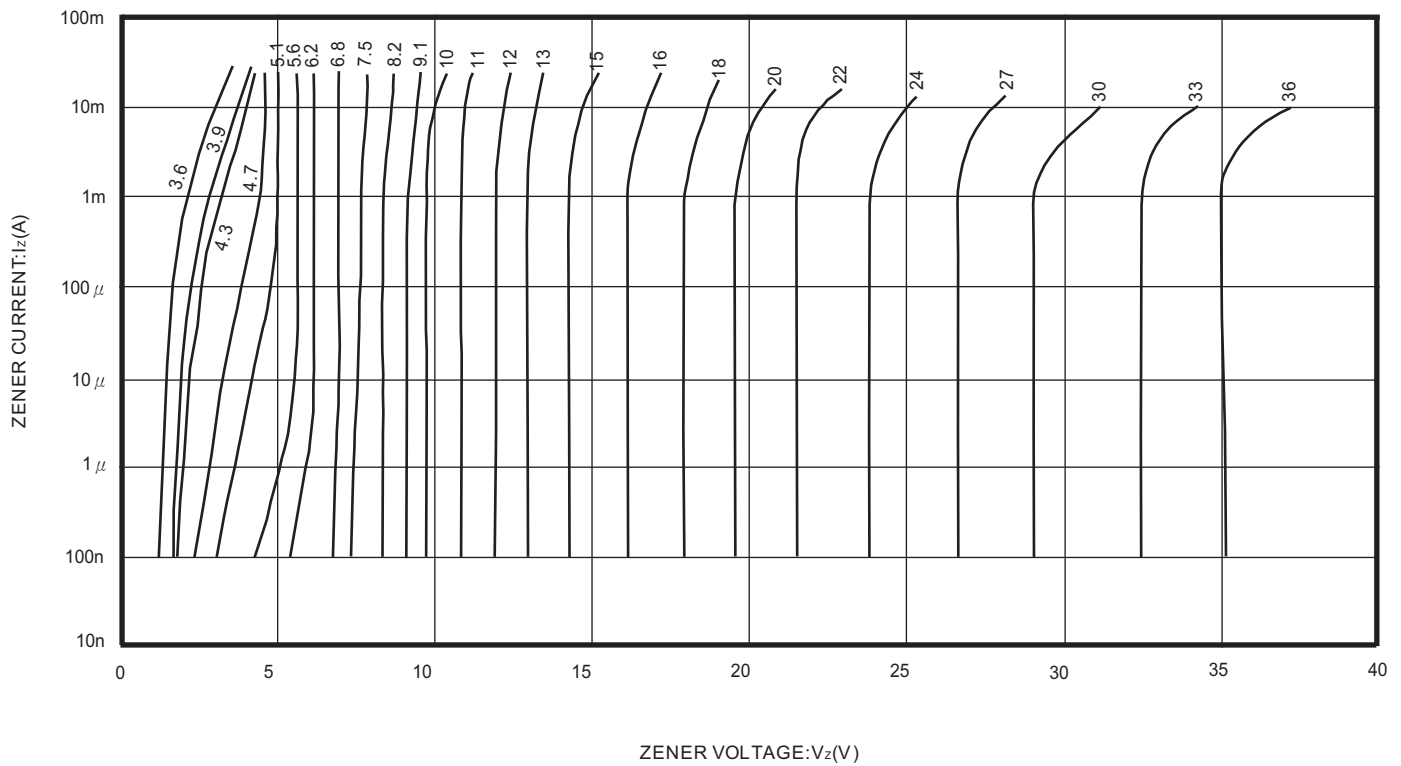


Fig.1 Zener voltage characteristics

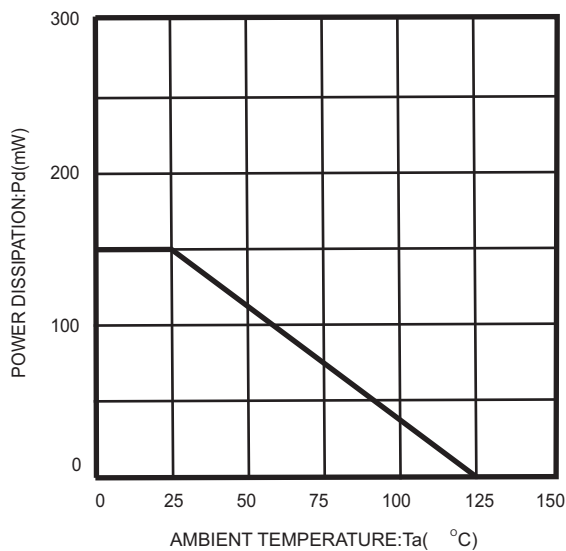


Fig.2 Derating curve

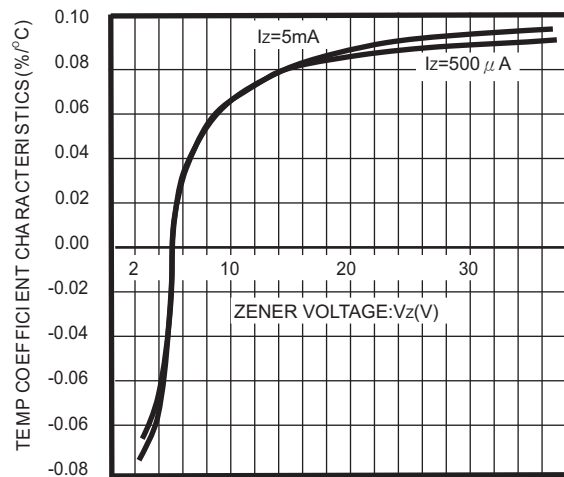
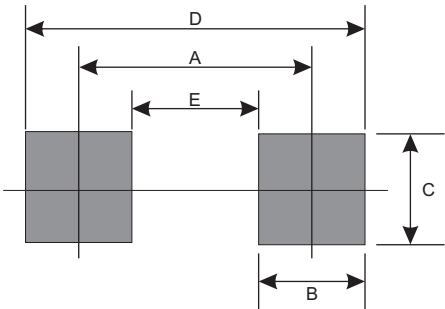


Fig.3 Zener voltage-temp.
Coefficient characteristics

0603 (SOD-523F)	SYMBOL	E	F	P	P ₀	P ₁	T	W	W ₁
	(mm)	1.75 ± 0.10	3.50 ± 0.05	4.00 ± 0.10	4.00 ± 0.10	2.00 ± 0.05	0.23 ± 0.05	8.00 ± 0.20	13.5 MAX.
	(inch)	0.069 ± 0.004	0.138 ± 0.002	0.157 ± 0.004	0.157 ± 0.004	0.079 ± 0.004	0.009 ± 0.002	0.315 ± 0.008	0.531 MAX.

Suggested PAD Layout

SIZE	0603/SOD-523F	
	(mm)	(inch)
A	1.70	0.067
B	0.60	0.024
C	0.80	0.031
D	2.30	0.091
E	1.10	0.043



Standard Package

Case Type	Qty per Reel	Reel Size
	(Pcs)	(inch)
0603/SOD-523F	4000	7