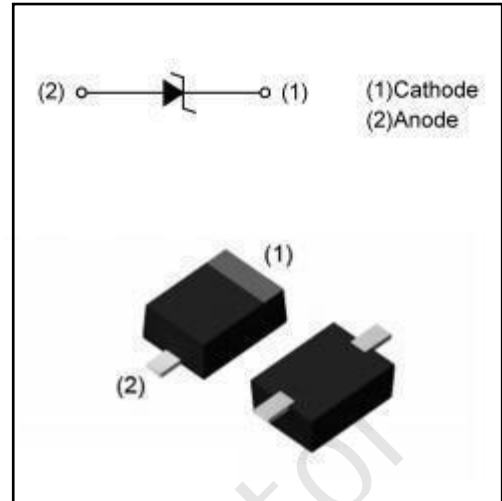


**FEATURES**

- ◆ Total power dissipation: Max. 200mW.
- ◆ Wide zener reverse voltage range 2.0V to 47V.
- ◆ Small plastic package suitable for surface mounted design.
- ◆ Tolerance approximately±5%

**MECHANICAL DATA**

- ◆ Case: SOD-323
- ◆ Weight: 5.48mg

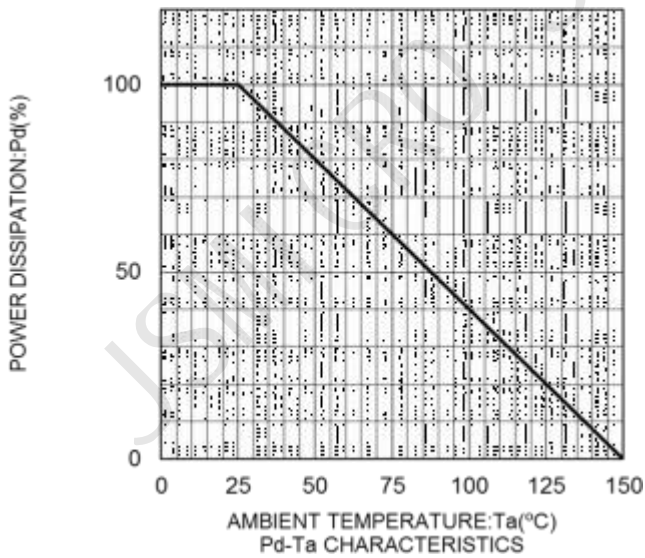
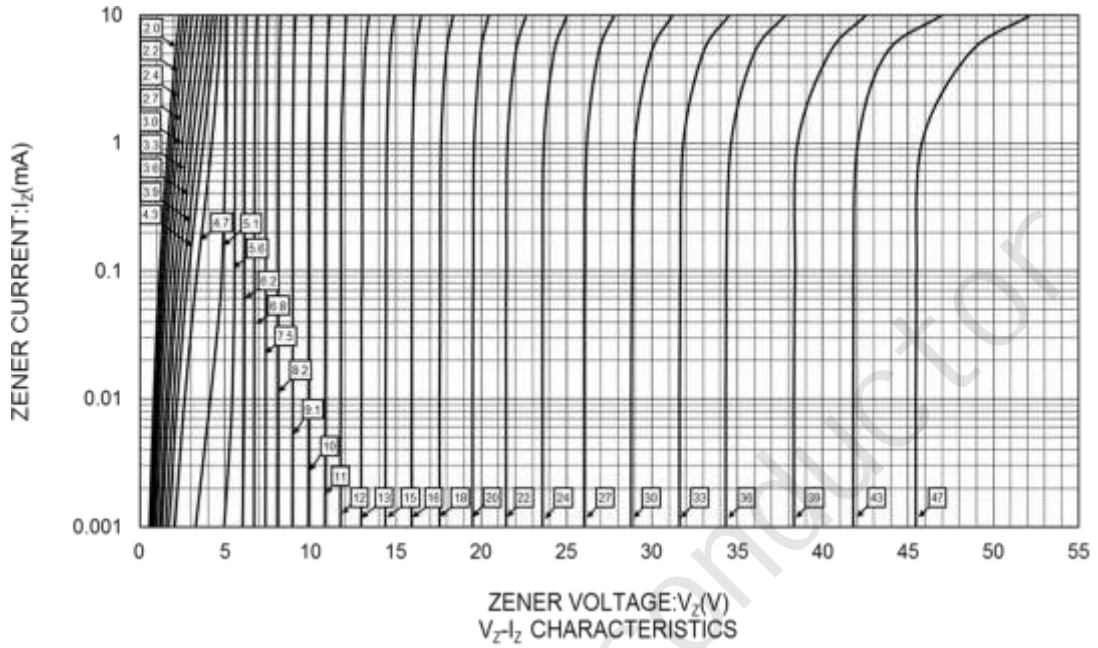


**Absolute Maximum Rating( $T_a = 25^\circ\text{C}$ )**

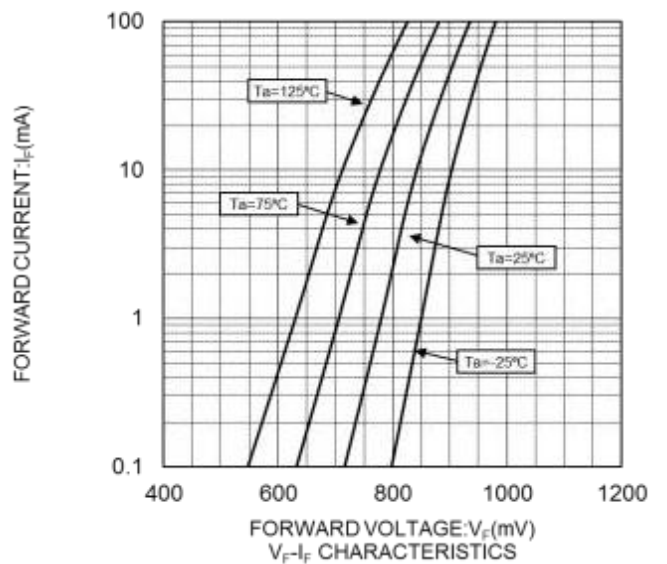
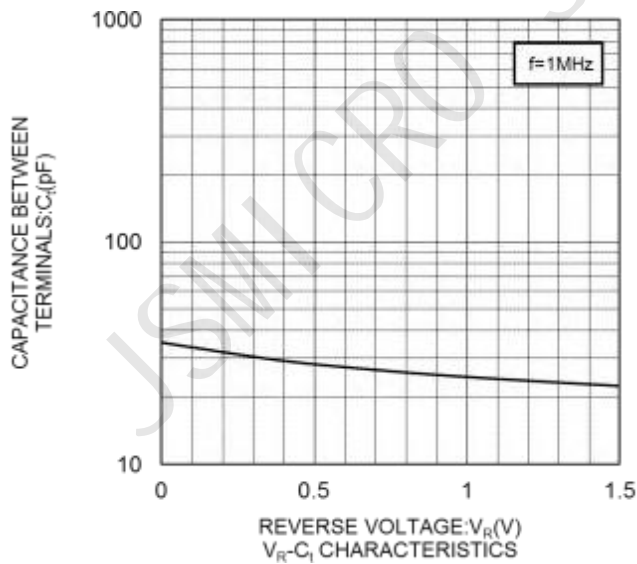
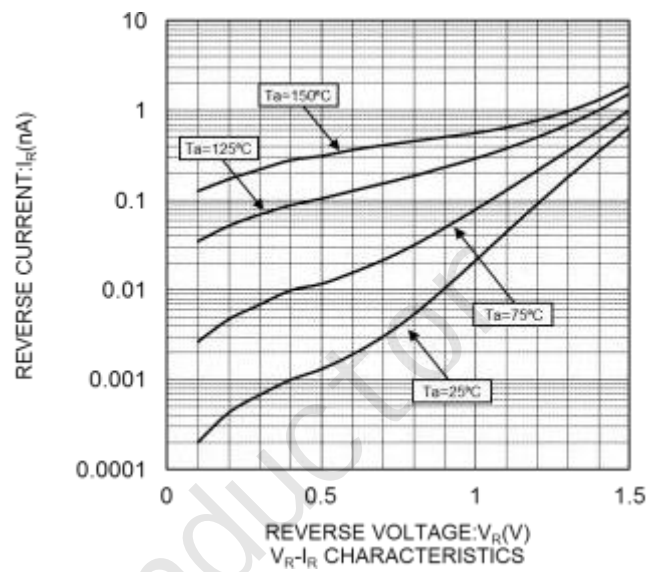
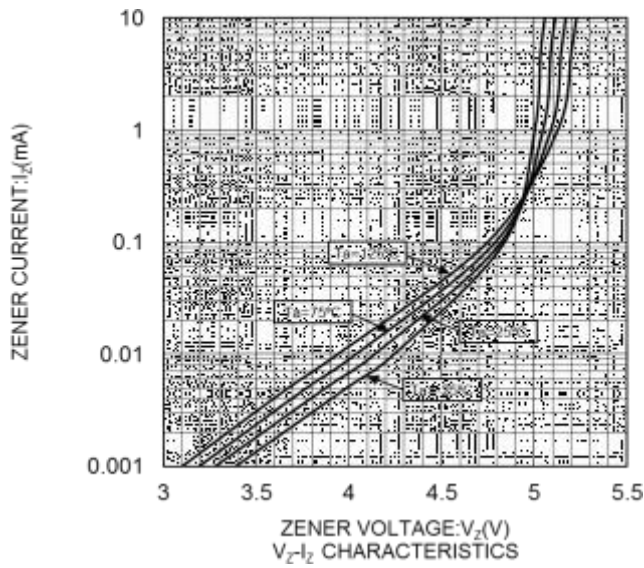
Parameter	Symbol	Limits	Unit
Power dissipation	PD	200	mW
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 ~ 150	$^\circ\text{C}$

P/N	Mark	Symbol								
		Zener Voltage:Vz(V)			Dynamic Impedance:Zz(Ω)		Zener Impedance:Zzk(Ω)		Reverse Current:IR(μA)	
		MIN.	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	VR(V)
UDZVTE-172.0B	B0	2.020	2.200	5	100	5	1000	0.5	120	0.5
UDZVTE-172.2B	C0	2.220	2.410	5	100	5	1000	0.5	120	0.7
UDZVTE-172.4B	1C	2.430	2.630	5	100	5	1000	0.5	120	1.0
UDZVTE-172.7B	1D	2.690	2.910	5	110	5	1000	0.5	100	1.0
UDZVTE-173.0B	1E	3.010	3.220	5	120	5	1000	0.5	50	1.0
UDZVTE-173.3B	1F	3.320	3.530	5	120	5	1000	0.5	20	1.0
UDZVTE-173.6B	1H	3.600	3.845	5	100	5	1000	1.0	10	1.0
UDZVTE-173.9B	1J	3.890	4.160	5	100	5	1000	1.0	5	1.0
UDZVTE-174.3B	1K	4.170	4.430	5	100	5	1000	1.0	5	1.0
UDZVTE-174.7B	1M	4.550	4.750	5	100	5	800	0.5	2	1.0
UDZVTE-175.1B	1N	4.980	5.200	5	80	5	500	0.5	2	1.5
UDZVTE-175.6B	1P	5.490	5.730	5	60	5	200	0.5	1	2.5
UDZVTE-176.2B	1R	6.060	6.330	5	60	5	100	0.5	1	3.0
UDZVTE-176.8B	1X	6.650	6.930	5	40	5	60	0.5	0.5	3.5
UDZVTE-177.5B	1Y	7.280	7.600	5	30	5	60	0.5	0.5	4.0
UDZVTE-178.2B	1Z	8.020	8.360	5	30	5	60	0.5	0.5	5.0
UDZVTE-179.1B	2A	8.850	9.230	5	30	5	60	0.5	0.5	6.0
UDZVTE-1710B	2B	9.770	10.210	5	30	5	60	0.5	0.5	7.0
UDZVTE-1711B	2C	10.760	11.220	5	30	5	60	0.5	0.1	8.0
UDZVTE-1712B	2D	11.740	12.240	5	30	5	80	0.5	0.1	9.0
UDZVTE-1713B	2E	12.910	13.490	5	37	5	80	0.5	0.1	10.0
UDZVTE-1715B	2F	14.340	14.980	5	42	5	80	0.5	0.1	11.0
UDZVTE-1716B	2H	15.850	16.510	5	50	5	80	0.5	0.1	12.0
UDZVTE-1718B	2J	17.560	18.350	5	65	5	80	0.5	0.1	13.0
UDZVTE-1720B	2K	19.520	20.390	5	85	5	100	0.5	0.1	15.0
UDZVTE-1722B	2M	21.540	22.470	5	100	5	100	0.5	0.1	17.0
UDZVTE-1724B	2N	23.720	24.780	5	120	5	120	0.5	0.1	19.0
UDZVTE-1727B	2P	26.190	27.530	5	150	5	150	0.5	0.1	21.0
UDZVTE-1730B	2R	29.190	30.690	5	200	5	200	0.5	0.1	23.0
UDZVTE-1733B	2X	32.150	33.790	5	250	5	250	0.5	0.1	25.0
UDZVTE-1736B	2Y	35.070	36.870	5	300	5	300	0.5	0.1	27.0
UDZVTE-1739B	2Z	38.020	39.980	2	300	2	-	-	0.1	30.0
UDZVTE-1743	3A	40.000	45.000	2	550	2	-	-	0.1	33.0
UDZVTE-1747	3B	44.000	49.000	2	600	2	-	-	0.1	36.0

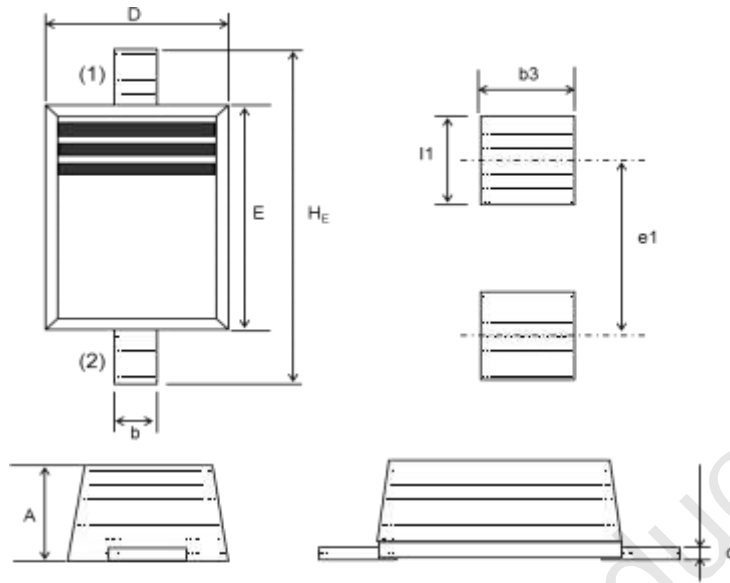
Characteristic Curves



Characteristic Curves



Dimension (SOD-323)



DIM	Millimeters			Inches		
	Min.	Average	Max.	Min.	Average	Max.
A	0.60	0.70	0.90	0.024	0.028	0.035
b	0.25	0.30	0.35	0.010	0.012	0.014
c	0.05	0.10	0.20	0.002	0.004	0.008
D	1.15	1.25	1.35	0.045	0.049	0.053
E	1.60	1.70	1.80	0.063	0.067	0.071
$H_E$	2.30	2.50	2.70	0.091	0.098	0.106
$l_1$	0.80	-	-	0.031	-	-
$b_3$	0.90	-	-	0.035	-	-
$e_1$	-	2.10	-	-	0.083	-

- (1) The marking bar indicates the cathode.  
 (2) The direction indicates the anode.