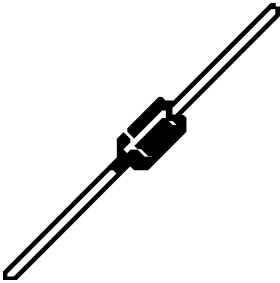
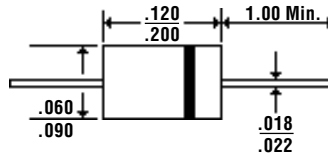


Description



Mechanical Dimensions

**JEDEC
DO-35 Glass**



BZX79C2V4 . . . 75 Series

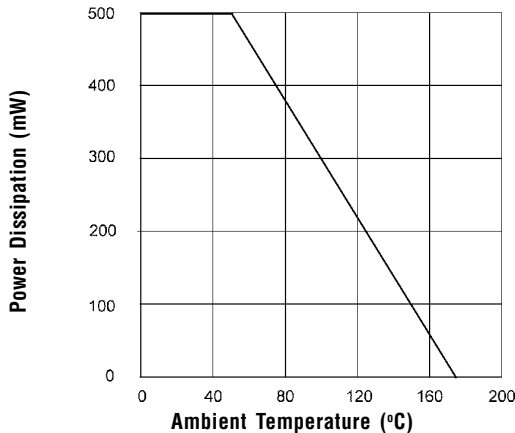
Features

■ **WIDE VOLTAGE RANGE**

■ **MEETS UL SPECIFICATION 94V-0**

Maximum Ratings	BZX79C2V4 . . . 75 Series	Units
Continuous Forward Current... I_F	250	mA
Power Dissipation @ $T_A = 50^\circ\text{C}$... P_D Lead Length = 8.0mm	500	mW
Forward Voltage @ 100mA... V_F	1.5	V
Operating & Storage Temperature Range... T_J, T_{STRG}	-65 to 200	$^\circ\text{C}$

Power Derating Curve



- NOTES:**
1. The Zener Voltage is measured under pulse conditions so that T_j is no more than 2°C greater than T_A .
 2. Part numbers have max / min Zener Voltage as listed. Tolerance of 2% is designated by a "B" in place of the "C", and 1% by an "A".
 3. The Zener Impedance is measured by dividing the AC voltage drop across the device by the AC current applied. The specified limits are for $I_{Z(ac)} = 0.1 I_{Z(dc)}$ with the ac frequency = 1.0kHz.

Electrical Characteristics @ 25°C.

Part #	Zener Voltage @ I_{ZT} (1)		Test Current I_{ZT} (mA)	Max. Zener Impedance (3) $Z_{ZT} @ I_{ZT}$ (Ω)	Max. Reverse Leakage Current @ V_R		Typ. Temp. Coef. (mV/°C)		Typ. Capacitance $V_R = 0, f = 1MHz$ C_D (pF)
	Minimum V_Z (V)	Maximum V_Z (V)			I_R (μA)	V_R (V)	Min.	Max.	
BZX79C2V4	2.2	2.6	5.0	100	100	1.0	-3.5	0	255
BZX79C2V7	2.5	2.9	5.0	100	75	1.0	-3.5	0	230
BZX79C3V0	2.8	3.2	5.0	95	50	1.0	-3.5	0	215
BZX79C3V3	3.1	3.5	5.0	95	25	1.0	-3.5	0	200
BZX79C3V6	3.4	3.8	5.0	90	15	1.0	-3.5	0	185
BZX79C3V9	3.7	4.1	5.0	90	10	1.0	-3.5	0.3	175
BZX79C4V3	4.0	4.6	5.0	90	5.0	1.0	-3.5	1.0	160
BZX79C4V7	4.4	5.0	5.0	80	3.0	2.0	-3.5	0.2	130
BZX79C5V1	4.8	5.4	5.0	60	2.0	2.0	-2.7	1.2	110
BZX79C5V6	5.2	6.0	5.0	40	1.0	2.0	-2.0	2.5	95
BZX79C6V2	5.8	6.6	5.0	10	3.0	4.0	0.4	3.7	90
BZX79C6V8	6.4	7.2	5.0	15	2.0	4.0	1.2	4.5	85
BZX79C7V5	7.0	7.9	5.0	15	1.0	5.0	2.5	5.3	80
BZX79C8V2	7.7	8.7	5.0	15	0.7	5.0	3.2	6.2	75
BZX79C9V1	8.5	9.6	5.0	15	0.5	6.0	3.8	7.0	70
BZX79C10	9.4	10.6	5.0	20	0.2	7.0	4.5	8.0	70
BZX79C11	10.4	11.6	5.0	20	0.1	8.0	5.4	9.0	65
BZX79C12	11.4	12.7	5.0	25	0.1	8.0	6.0	10	65
BZX79C13	12.4	14.1	5.0	30	0.1	8.0	7.0	11	60
BZX79C15	13.8	15.6	5.0	30	0.05	10.5	9.2	13	55
BZX79C16	15.3	17.1	5.0	40	0.05	11.2	10.4	14	52
BZX79C18	16.8	19.1	5.0	45	0.05	12.6	12.9	16	47
BZX79C20	18.8	21.2	5.0	55	0.05	14	14.4	18	36
BZX79C22	20.8	23.3	5.0	55	0.05	15.4	16.4	20	34
BZX79C24	22.8	25.6	5.0	70	0.05	16.8	18.4	22	33
BZX79C27	25.1	28.9	2.0	80	0.05	18.9		23.5	30
BZX79C30	28.0	32.0	2.0	80	0.05	21		26	27
BZX79C33	31.0	35.0	2.0	80	0.05	23.1		29	25
BZX79C36	34.0	38.0	2.0	90	0.05	25.2		31	23
BZX79C39	37.0	41.0	2.0	130	0.05	27.3		34	21
BZX79C43	40.0	46.0	2.0	150	0.05	30.1		37	21
BZX79C47	44.0	50.0	2.0	170	0.05	32.9		40	19
BZX79C51	48.0	54.0	2.0	180	0.05	35.7		44	19
BZX79C56	52.0	60.0	2.0	200	0.05	39.2		47	18
BZX79C62	58.0	66.0	2.0	215	0.05	43.4		51	17
BZX79C68	64.0	72.0	2.0	240	0.05	47.6		56	17
BZX79C75	70.0	79.0	2.0	255	0.05	52.5		60	16.5