



Features

- . Low reverse leakage
- . Low zener impedance
- . Maximum power dissipation of 500 mW
- . High stability and high reliability

Mechanical Data

Case: DO-35 Glass
 Terminals: Plated axial leads
 Polarity: Color band denotes cathode end
 Mounting Position: Any

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	VALUE	UNITS
Power Dissipation	Pd	500	mW
Operating junction temperature	Tj	175	°C
Storage temperature range	Ts	-50 -- +150	°C

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified. $V_F \leq 1.1V$ @ $I_F = 200mA$

Type	Zener Voltage		Reverse Current		Dynamic Resistance	
	$V_Z(V)$		$I_R(\mu A)$	Test condition	$rd(\Omega)$	Test condition
	MIN.	MAX.	MAX.	$I_Z(mA)$	MAX.	$I_Z(mA)$
BZX79C2V4	2.2	2.6	50	5	100	5
BZX79C2V7	2.5	2.9	10	5	100	5
BZX79C3V0	2.8	3.2	4	5	95	5
BZX79C3V3	3.1	3.5	2	5	95	5
BZX79C3V6	3.4	3.8	2	5	90	5
BZX79C3V9	3.7	4.1	2	5	90	5
BZX79C4V3	4.0	4.6	1	5	90	5
BZX79C4V7	4.4	5.0	0.5	5	80	5
BZX79C5V1	4.8	5.4	0.1	5	60	5
BZX79C5V6	5.2	6.0	0.1	5	40	5
BZX79C6V2	5.8	6.6	0.1	5	10	5

Type	Zener Voltage			Reverse Current		Dynamic Resistance	
	V _Z (V)		Test condition	I _R (μA)	Test condition	rd(Ω)	Test condition
	MIN.	MAX.	I _Z (mA)	MAX.	V _R (V)	MAX.	I _Z (mA)
BZX79C6V8	6.4	7.2	5	0.1	3.0	15	5
BZX79C7V5	7.0	7.9	5	0.1	5.0	15	5
BZX79C8V2	7.7	8.7	5	0.1	6.15	15	5
BZX79C9V1	8.5	9.6	5	0.1	6.8	15	5
BZX79C10	9.4	10.6	5	0.1	7.5	20	5
BZX79C11	10.4	11.6	5	0.1	8.25	20	5
BZX79C12	11.4	12.7	5	0.1	9.0	25	5
BZX79C13	12.4	14.1	5	0.1	9.75	30	5
BZX79C15	13.8	15.6	5	0.1	11.25	30	5
BZX79C16	15.3	17.1	5	0.1	12.0	40	5
BZX79C18	16.8	19.1	5	0.1	13.5	45	5
BZX79C20	18.8	21.2	5	0.1	15.0	55	5
BZX79C22	20.8	23.3	5	0.1	16.5	55	5
BZX79C24	22.8	25.6	5	0.1	18.0	70	5
BZX79C27	25.1	28.9	2	0.1	20.25	80	2
BZX79C30	28.0	32.0	2	0.1	22.25	80	2
BZX79C33	31.0	35.0	2	0.1	24.75	80	2
BZX79C36	34.0	38.0	2	0.1	27.0	90	2
BZX79C39	37.0	41.0	2	0.1	29.25	130	2
BZX79C43	40.0	46.0	2	0.1	32.25	150	2
BZX79C47	44.0	50.0	2	0.1	35.25	170	2
BZX79C51	48.0	54.0	2	0.1	38.25	180	2
BZX79C56	52.0	60.0	2	0.1	42.0	200	2
BZX79C62	58.0	66.0	2	0.1	46.5	215	2
BZX79C68	64.0	72.0	2	0.1	51.0	240	2
BZX79C75	70.0	79.0	2	0.1	56.25	255	2