

Zeners BZX79C2V4 - BZX79C200

Absolute Maximum Ratings * T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation @ TL ≤ 75°C, Lead Length = 3/8"	500	mW
	Derate above 75°C	4.0	mW/°C
T _J , T _{STG}	Operating and Storage Temperature Range	-65 to +200	°C

* These ratings are limiting values above which the serviceability of the diode may be impaired.

Tolerance = 5%



Electrical Characteristics T_A = 25°C unless otherwise noted

Device	Zener Voltage (Note 1)			Z _Z @ I _Z (Ω)	Leakage Current			T _C (mV / °C)		C (pF)
	Min.	Max.	I _Z (mA)	Max.	I _R (μA)	V _R (V)	Min.	Max.	V _Z = 0, f = 1MHz	
BZX79C2V4	2.2	2.6	5	100	100	1	-3.5	0	255	
BZX79C2V7	2.5	2.9	5	100	75	1	-3.5	0	230	
BZX79C3V0	2.8	3.2	5	95	50	1	-3.5	0	215	
BZX79C3V3	3.1	3.5	5	95	25	1	-3.5	0	200	
BZX79C3V6	3.4	3.8	5	90	15	1	-3.5	0	185	
BZX79C3V9	3.7	4.1	5	90	10	1	-3.5	+0.3	175	
BZX79C4V3	4	4.6	5	90	5	1	-3.5	+1	160	
BZX79C4V7	4.4	5	5	80	3	2	-3.5	+0.2	130	
BZX79C5V1	4.8	5.4	5	60	2	2	-2.7	+1.2	110	
BZX79C5V6	5.2	6	5	40	1	2	-2	+2.5	95	
BZX79C6V2	5.8	6.6	5	10	3	4	0.4	3.7	90	
BZX79C6V8	6.4	7.2	5	15	2	4	1.2	4.5	85	
BZX79C7V5	7	7.9	5	15	1	5	2.5	5.3	80	
BZX79C8V2	7.7	8.7	5	15	0.7	5	3.2	6.2	75	
BZX79CT9V1	8.5	9.6	5	15	0.5	6	3.8	7	70	
BZX79CT10	9.4	10.6	5	20	0.2	7	4.5	8	70	
BZX79CT11	10.4	11.6	5	20	0.1	8	5.4	9	65	
BZX79CT12	11.4	12.7	5	25	0.1	8	6	10	65	
BZX79CT13	12.4	14.1	5	30	0.1	8	7	11	60	
BZX79CT14	13.8	15.6	5	30	0.05	10.5	9.2	13	55	
BZX79CT16	15.3	17.1	5	40	0.05	11.2	10.4	14	52	
BZX79CT18	16.8	19.1	5	45	0.05	12.6	12.9	16	47	
BZX79CT20	18.8	21.2	5	55	0.05	14	14.4	18	36	
BZX79C22	20.8	23.3	5	55	0.05	15.4	16.4	20	34	
BZX79C24	22.8	25.6	5	70	0.05	16.8	18.4	22	33	
BZX79C27	25.1	28.9	2	80	0.05	18.9	-	23.5	30	
BZX79C30	28	32	2	80	0.05	21	-	26	27	
BZX79C33	31	35	2	80	0.05	23.1	-	29	25	
BZX79C36	34	38	2	90	0.05	25.2	-	31	23	
BZX79C39	37	41	2	130	0.05	27.3	-	34	21	

Electrical Characteristics (Continued) $T_A=25^\circ\text{C}$ unless otherwise noted

Device	Zener Voltage (Note 1)			Z _Z @ I _Z (Ω)	Leakage Current		T _C (mV / °C)		C (pF)
	Min.	Max.	I _Z (mA)	Max.	I _R (μA)	V _R (V)	Min.	Max.	V _Z = 0, f = 1MHz
BZX79C43	40	46	2	150	0.05	30.1	-	37	21
BZX79C47	44	50	2	170	0.05	32.9	-	40	19
BZX79C51	48	54	2	180	0.5	35.7	-	44	19
BZX79C56	52	60	2	200	0.05	39.2	-	47	18
BZX79C62	58	66	2	215	0.05	43.4	-	51	17
BZX79C68	64	72	2	240	0.05	47.6	-	56	17
BZX79C75	70	79	2	255	0.05	52.5	-	60	16.5
BZX79C82	77	87	2	280	0.1	62	46	95	29
BZX79C91	85	96	2	300	0.1	69	51	107	28
BZX79C100	94	106	1	500	0.1	76	57	119	27
BZX79C110	104	116	1	650	0.1	84	63	131	26
BZX79C120	114	127	1	800	0.1	91	69	144	24
BZX79C130	124	141	1	950	0.1	99	75	158	23
BZX79C150	138	156	1	1250	0.1	115	87	185	21
BZX79C160	153	171	1	1400	0.1	122	93	200	20
BZX79C180	168	191	1	1700	0.1	137	105	228	18
V_F Forward Voltage = 1.5V Max @ I_F = 100mA									

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