

ELECTRICAL CHARACTERISTICS (@TA=25°C unless otherwise specified)

TYPE	V _{ZT@I_{ZT}} (Volts)		I _{ZT} (mA)	Z _{ZT@I_{ZT}} (Ω)	I _{ZT} (mA)	Z _{ZT@I_{ZT}} (Ω)	I _{R@V_R} (μA)	V _R (Volts)
	MIN	MAX		MAX		MAX		
BZX55C2V0	1.88	2.11	5	100	1	600	100	1
BZX55C2V2	2.08	2.33	5	100	1	600	100	1
BZX55C2V4	2.28	2.56	5	85	1	600	50	1
BZX55C2V7	2.51	2.89	5	85	1	600	10	1
BZX55C3V0	2.8	3.2	5	85	1	600	4	1
BZX55C3V3	3.1	3.5	5	85	1	600	2	1
BZX55C3V6	3.4	3.8	5	85	1	600	2	1
BZX55C3V9	3.7	4.1	5	85	1	600	2	1
BZX55C4V3	4.0	4.6	5	75	1	600	1	1
BZX55C4V7	4.4	5.0	5	60	1	600	0.5	1
BZX55C5V1	4.8	5.4	5	35	1	550	0.1	1
BZX55C5V6	5.2	6.0	5	25	1	450	0.1	1
BZX55C6V2	5.8	6.6	5	10	1	200	0.1	2
BZX55C6V8	6.4	7.2	5	8	1	150	0.1	3
BZX55C7V5	7.0	7.9	5	7	1	50	0.1	5
BZX55C8V2	7.7	8.7	5	7	1	50	0.1	6.2
BZX55C9V1	8.5	9.6	5	10	1	50	0.1	6.8
BZX55C10	9.4	10.6	5	15	1	70	0.1	7.5
BZX55C11	10.4	11.6	5	20	1	70	0.1	8.2
BZX55C12	11.4	12.7	5	20	1	90	0.1	9.1
BZX55C13	12.4	14.1	5	26	1	110	0.1	10
BZX55C15	13.8	15.6	5	30	1	110	0.1	11
BZX55C16	15.3	17.1	5	40	1	170	0.1	12
BZX55C18	16.8	19.1	5	50	1	170	0.1	13
BZX55C20	18.8	21.1	5	55	1	220	0.1	15
BZX55C22	20.8	23.3	5	55	1	220	0.1	16
BZX55C24	22.8	25.6	5	80	1	220	0.1	18
BZX55C27	25.1	28.9	5	80	1	220	0.1	20
BZX55C30	28	32	5	80	1	220	0.1	22
BZX55C33	31	35	5	80	1	220	0.1	24
BZX55C36	34	38	5	80	1	220	0.1	27
BZX55C39	37	41	5	90	0.5	500	0.1	28

ELECTRICAL CHARACTERISTICS (@TA=25°C unless otherwise specified)

TYPE	V _{ZT@I_{ZT}} (Volts)		I _{ZT} (mA)	Z _{ZT@I_{ZT}} (Ω)	I _{ZT} (mA)	Z _{ZT@I_{ZT}} (Ω)	I _{R@V_R} (uA)	V _R (Volts)
	MIN	MAX		MAX		MAX		
BZX55C43	40	46	2.5	90	0.5	600	0.1	32
BZX55C47	44	50	2.5	110	0.5	700	0.1	35
BZX55C51	48	54	2.5	125	0.5	700	0.1	38
BZX55C56	52	60	2.5	135	0.5	1000	0.1	42
BZX55C62	58	66	2.5	150	0.5	1000	0.1	47
BZX55C68	64	72	2.5	160	0.5	1000	0.1	51
BZX55C75	70	80	2.5	170	0.5	1000	0.1	56

RATING AND CHARACTERISTICS CURVES (BZX55C2V0-BZX55C75)

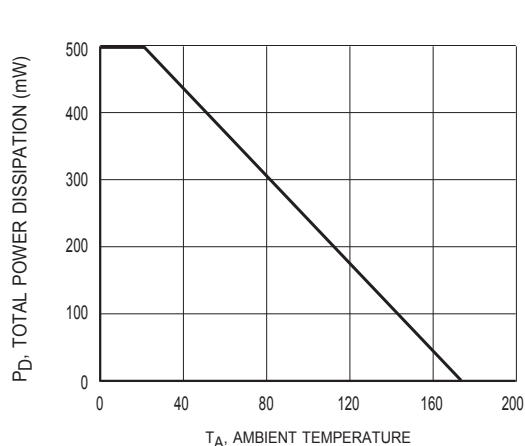


Figure1 Power Dissipation vs Ambient Temperature

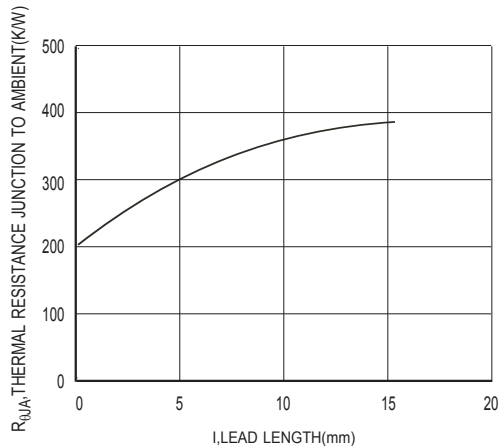


Figure2 Thermal Resistance vs Lead Length

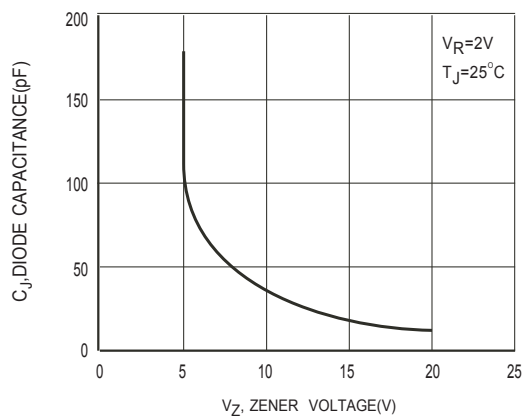


Figure3 Diode Capacitance vs Zener Voltage

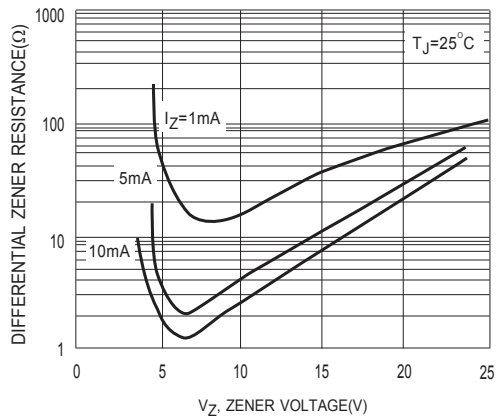


Figure4 Differential Zener Impedance

DISCLAIMER NOTICE

Rectron Inc reserves the right to make changes without notice to any product specification herein, to make corrections, modifications, enhancements or other changes. Rectron Inc or anyone on its behalf assumes no responsibility or liability for any errors or inaccuracies. Data sheet specifications and its information contained are intended to provide a product description only. "Typical" parameters which may be included on RECTRON data sheets and/ or specifications can and do vary in different applications and actual performance may vary over time. Rectron Inc does not assume any liability arising out of the application or use of any product or circuit.

Rectron products are not designed, intended or authorized for use in medical, life-saving implant or other applications intended for life-sustaining or other related applications where a failure or malfunction of component or circuitry may directly or indirectly cause injury or threaten a life without expressed written approval of Rectron Inc. Customers using or selling Rectron components for use in such applications do so at their own risk and shall agree to fully indemnify Rectron Inc and its subsidiaries harmless against all claims, damages and expenditures.