

BZX83C2V7 thru BZX83C33, M-ZPD2.7 thru M-ZPD33

T-11-11

ELECTRICAL CHARACTERISTICS (at $T_A = 25^\circ\text{C}$)											
Motorola ZPD and BZX83C series. Forward Voltage $V_F = 1$ Volt Max at $I_F = 50$ mA.											
Device Type		Zener Voltage (Note 1) at $I_{ZT} = 5.0$ mA			Impedance (Ω) Max (Note 2)			Typ. Temp. Coeff. at I_{ZT} % per $^\circ\text{C}$	V _R Min		
		Nominal	Min	Max	at I_{ZT}	at $I_Z = 1$ mA			V		at I_R
						BZX83	ZPD		BZX83	ZPD	
BZX83C2V7	ZPD2.7	2.7	2.5	2.9	85	600	500	-0.09...-0.04	1	—	100 μA
BZX83C3V0	ZPD3.0	3	2.8	3.2	90	600	500	-0.09...-0.03	1	—	60 μA
BZX83C3V3	ZPD3.3	3.3	3.1	3.5	90	600	500	-0.08...-0.03	1	—	30 μA
BZX83C3V6	ZPD3.6	3.6	3.4	3.8	90	600	500	-0.08...-0.03	1	—	20 μA
BZX83C3V9	ZPD3.9	3.9	3.7	4.1	85	600	500	-0.07...-0.03	1	—	10 μA
BZX83C4V3	ZPD4.3	4.3	4	4.6	80	600	500	-0.06...-0.01	1	—	5 μA
BZX83C4V7	ZPD4.7	4.7	4.4	5	78	600	500	-0.05...+0.02	1	—	2 μA
BZX83C5V1	ZPD5.1	5.1	4.8	5.4	60	550	480	-0.03...+0.04	0.8	—	100 nA
BZX83C5V6	ZPD5.6	5.6	5.2	6	40	450	400	-0.02...+0.06	1	—	100 nA
BZX83C6V2	ZPD6.2	6.2	5.8	6.6	10	200	—	-0.01...+0.07	2	—	100 nA
BZX83C6V8	ZPD6.8	6.8	6.4	7.2	8	150	—	+0.02...+0.07	3	—	100 nA
BZX83C7V5	ZPD7.5	7.5	7	7.9	7	50	—	+0.03...+0.07	5	—	100 nA
BZX83C8V2	ZPD8.2	8.2	7.7	8.7	7	50	—	+0.04...+0.07	6	—	100 nA
BZX83C9V1	ZPD9.1	9.1	8.5	9.6	10	50	—	+0.05...+0.08	7	—	100 nA
BZX83C10	ZPD10	10	9.4	10.6	15	70	—	+0.05...+0.08	7.5	—	100 nA
BZX83C11	ZPD11	11	10.4	11.6	20	70	—	+0.05...+0.09	8.5	—	100 nA
BZX83C12	ZPD12	12	11.4	12.7	20	90	—	+0.06...+0.09	9	—	100 nA
BZX83C13	ZPD13	13	12.4	14.1	25	110	—	+0.07...+0.09	10	—	100 nA
BZX83C15	ZPD15	15	13.8	15.6	30	110	—	+0.07...+0.09	11	—	100 nA
BZX83C16	ZPD16	16	15.3	17.1	40	170	—	+0.08...+0.095	12	—	100 nA
BZX83C18	ZPD18	18	16.8	19.1	50	170	—	+0.08...+0.10	14	—	100 nA
BZX83C20	ZPD20	20	18.8	21.2	55	220	—	+0.08...+0.10	15	—	100 nA
BZX83C22	ZPD22	22	20.8	23.3	55	220	—	+0.08...+0.10	17	—	100 nA
BZX83C24	ZPD24	24	22.8	25.6	80	220	—	+0.08...+0.10	18	—	100 nA
BZX83C27	ZPD27	27	25.1	28.9	80	250	—	+0.08...+0.10	20	—	100 nA
BZX83C30	ZPD30	30	28	32	80	250	—	+0.08...+0.10	22	—	100 nA
BZX83C33	ZPD33	33	31	35	80	250	—	+0.08...+0.10	24	—	100 nA

NOTE 1. Pulse test.

NOTE 2. $f = 1.0$ kHz, $I_Z(\text{ac}) = 0.1 I_Z(\text{dc})$.