

Zener Diodes

BZT52 Series 500 mW Zener Diodes (SOD123 Plastic Package) $T_A = 25^\circ\text{C}$

Type	Zener Voltage Range*	Maximum Zener Impedance					Typical Temperature Coefficient at $I_Z = 5\text{ mA}$	Min. Reverse Voltage at $I_R = 0.1\text{ }\mu\text{A}$	Maximum Regulator Current
		at I_{ZT}	Z_{ZT}	at I_{ZT}	Z_{ZK}	at I_{ZK}			
	V_Z Volts	mA	Ohms	mA	Ohms	mA	%/ $^\circ\text{C}$	V_R Volts	I_{ZM} mA
BZT52C-C2V7	2.5–2.9	5	83	5	500	1	–0.065	–	160
BZT52C-C3	2.8–3.2	5	95	5	500	1	–0.060	–	140
BZT52C-C3V3	3.1–3.5	5	95	5	500	1	–0.055	–	130
BZT52C-C3V6	3.4–3.8	5	95	5	500	1	–0.055	–	120
BZT52C-C3V9	3.7–4.1	5	95	5	500	1	–0.050	–	110
BZT52C-C4V3	4.0–4.6	5	95	5	500	1	–0.035	–	100
BZT52C-C4V7	4.4–5.0	5	78	5	500	1	–0.015	–	90
BZT52C-C5V1	4.8–5.4	5	60	5	480	1	+0.005	0.8	80
BZT52C-C5V6	5.2–6.0	5	40	5	400	1	+0.020	1.0	70
BZT52C-C6V2	5.8–6.6	5	10	5	200	1	+0.030	2.0	64
BZT52C-C6V8	6.4–7.2	5	8	5	150	1	+0.045	3.0	58
BZT52C-C7V5	7.0–7.9	5	7	5	50	1	+0.050	5.0	53
BZT52C-C8V2	7.7–8.7	5	7	5	50	1	+0.055	6.0	47
BZT52C-C9V1	8.5–9.6	5	10	5	50	1	+0.065	7.0	43
BZT52C-C10	9.4–10.6	5	15	5	70	1	+0.065	7.5	40
BZT52C-C11	10.4–11.6	5	20	5	70	1	+0.070	8.5	36
BZT52C-C12	11.4–12.7	5	20	5	90	1	+0.075	9.0	32
BZT52C-C13	12.4–14.1	5	25	5	110	1	+0.080	10	29
BZT52C-C15	13.8–15.6	5	30	5	110	1	+0.080	11	27
BZT52C-C16	15.3–17.1	5	40	5	170	1	+0.090	12	24
BZT52C-C18	16.8–19.1	5	50	5	170	1	+0.090	14	21
BZT52C-C20	18.8–21.2	5	50	5	220	1	+0.090	15	20
BZT52C-C22	20.8–23.3	5	55	5	220	1	+0.090	17	18
BZT52C-C24	22.8–25.6	5	80	5	220	1	+0.090	18	16
BZT52C-C27	25.1–28.9	5	80	5	250	1	+0.090	20	14
BZT52C-C30	28–32	5	80	5	250	1	+0.090	22.5	13
BZT52C-C33	31–35	5	80	5	250	1	+0.090	25	12
BZT52C-C36	34–38	5	90	5	250	1	+0.090	27	11
BZT52C-C39	37–41	5	90	5	300	1	+0.110	29	10
BZT52C-C43	40–46	5	100	5	700	1	+0.110	32	9.2
BZT52C-C47	44–50	5	100	5	750	1	+0.110	35	8.5
BZT52C-C51	48–54	5	100	5	750	1	+0.110	38	7.8

* Measured with pulsed $t_p = 5\text{ ms}$.