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Diodes

Regulator diodes

Type	Fig. Nr.	Maximum ratings		Characteristics						
		I_F mA	R_{thJA} °C/W	U_F at V	I_F mA	I_R at μA	U_R V	r_f at Ω	I_F μA	TK_{UF} at $I_F = 5$ mA $10^{-4}/^{\circ}C$
BZ 102/0V7	18	250	≤ 420	0.65-0.75	5	1	5	6.5	5	-26
BZ 102/1V4	18	130	≤ 420	1.3-1.5	5	1	5	13.0	5	-26
BZ 102/2V1	18	80	≤ 420	1.9-2.3	5	1	5	19.5	5	-26
BZ 102/2V8	18	60	≤ 420	2.6-3.0	5	1	5	26.0	5	-26
BZ 102/3V4	18	50	≤ 420	3.2-3.7	5	1	5	32.5	5	-26

Z diodes

BZX 55/... ²⁾		$P_V = 500$ mW		Fig. Nr. 19					
Type	U_Z V	TK_{UZ} at $I_Z = 5$ mA $10^{-4}/^{\circ}C$	r_{zj} Ω	r_{zj} at $I_Z = 1$ mA Ω	I_R at nA	U_R V	$I_R^{1)}$ at μA	U_R V	
BZX 55/C 2 V 4	2.28...2.56	-8...-6	< 85	< 600	< 10 000	1	< 50	1	
BZX 55/C 2 V 7	2.5...2.9	-8...-6	< 85	< 600	< 10 000	1	< 50	1	
BZX 55/C 3 V 0	2.8...3.2	-8...-6	< 85	< 600	< 4 000	1	< 40	1	
BZX 55/C 3 V 3	3.1...3.5	-8...-5	< 85	< 600	< 2 000	1	< 40	1	
BZX 55/C 3 V 6	3.4...3.8	-8...-4	< 85	< 600	< 2 000	1	< 40	1	
BZX 55/C 3 V 9	3.7...4.1	-7...-3	< 85	< 600	< 2 000	1	< 40	1	
BZX 55/C 4 V 3	4.0...4.6	-4...-1	< 75	< 600	< 1 000	1	< 20	1	
BZX 55/C 4 V 7	4.4...5.0	-3...+1	< 60	< 600	< 500	1	< 10	1	
BZX 55/C 5 V 1	4.8...5.4	-2...+5	< 35	< 550	< 100	1	< 2	1	
BZX 55/C 5 V 6	5.2...6.0	-1...+6	< 25	< 450	< 100	1	< 2	1	
BZX 55/C 6 V 2	5.8...6.6	0...7	< 10	< 200	< 100	2	< 2	2	
BZX 55/C 6 V 8	6.4...7.2	1...8	< 8	< 150	< 100	3	< 2	3	
BZX 55/C 7 V 5	7.0...7.9	1...9	< 7	< 50	< 100	5	< 2	5	
BZX 55/C 8 V 2	7.7...8.7	1...9	< 7	< 50	< 100	6	< 2	6	
BZX 55/C 9 V 1	8.5...9.6	2...10	< 10	< 50	< 100	7	< 2	7	
BZX 55/C 10	9.4...10.6	3...11	< 15	< 70	< 100	7.5	< 2	7.5	
BZX 55/C 11	10.4...11.6	3...11	< 20	< 70	< 100	8.5	< 2	8.5	
BZX 55/C 12	11.4...12.7	3...11	< 20	< 90	< 100	9	< 2	9	
BZX 55/C 13	12.4...14.1	3...11	< 26	< 110	< 100	10	< 2	10	
BZX 55/C 15	13.8...15.6	3...11	< 30	< 110	< 100	11	< 2	11	
BZX 55/C 16	15.3...17.1	3...11	< 40	< 170	< 100	12	< 2	12	
BZX 55/C 18	16.8...19.1	3...11	< 50	< 170	< 100	14	< 2	14	
BZX 55/C 20	18.8...21.2	3...11	< 55	< 220	< 100	15	< 2	15	
BZX 55/C 22	20.8...23.3	3...11	< 55	< 220	< 100	17	< 2	17	
BZX 55/C 24	22.8...25.6	4...12	< 80	< 220	< 100	18	< 2	18	
BZX 55/C 27	25.1...28.9	4...12	< 80	< 220	< 100	20	< 2	20	
BZX 55/C 30	28...32	4...12	< 80	< 220	< 100	22	< 2	22	
BZX 55/C 33	31...35	4...12	< 80	< 220	< 100	24	< 2	24	
BZX 55/C 36	34...38	4...12	< 80	< 220	< 100	27	< 2	27	
BZX 55/C 39	37...41	4...12	< 90	< 500	< 100	28	< 2	28	

Remarks: ¹⁾ $t_f = 150$ °C ²⁾ please request for tight tolerances

Data book reference: B 2 B

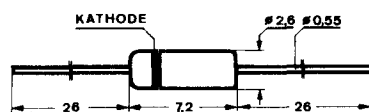


Fig. 18: 51 A 2 DIN 41880
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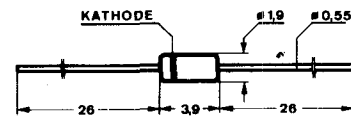


Fig. 19: 54 A 2 DIN 41880
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