

# Diodes

## Z diodes

BZX 85/... <sup>1)</sup>		$P_V = 1.3 \text{ W}$	Fig. Nr. 21					
Type	$U_Z$ V	and $TK_{U_Z}$ $10^{-4}/^{\circ}\text{C}$	and $r_{zj}$ at $\Omega$	$I_Z$ mA	$r_{zj}$ at $\Omega$	$I_Z$ mA	$I_R$ at $\mu\text{A}$	$U_R$ V
BZX 85/C 2 V 7	2.5...2.9	-8...-5	< 20	80	< 400	1	< 150	1
BZX 85/C 3 V 0	2.8...3.2	-8...-5	< 20	80	< 400	1	< 100	1
BZX 85/C 3 V 3	3.1...3.5	-8...-5	< 20	80	< 400	1	< 40	1
BZX 85/C 3 V 6	3.4...3.8	-8...-5	< 15	60	< 500	1	< 20	1
BZX 85/C 3 V 9	3.7...4.1	-7...-2	< 15	60	< 500	1	< 10	1
BZX 85/C 4 V 3	4.0...4.6	-7...+1	< 13	50	< 500	1	< 3	1
BZX 85/C 4 V 7	4.4...5.0	-3...+4	< 13	45	< 600	1	< 3	1.5
BZX 85/C 5 V 1	4.8...5.4	-1...+4	< 10	45	< 500	1	< 1	2
BZX 85/C 5 V 6	5.2...6.0	0...+4.5	< 7	45	< 400	1	< 1	2
BZX 85/C 6 V 2	5.8...6.6	+1...+5.5	< 4	35	< 300	1	< 1	3
BZX 85/C 6 V 8	6.4...7.2	+1.5...+6	< 3.5	35	< 300	1	< 1	4
BZX 85/C 7 V 5	7.0...7.9	+2...+6.5	< 3	35	< 200	0.5	< 1	4.5
BZX 85/C 8 V 2	7.7...8.7	+3...+7	< 5	25	< 200	0.5	< 1	5
BZX 85/C 9 V 1	8.5...9.6	+3.5...+7.5	< 5	25	< 200	0.5	< 1	6.5
BZX 85/C 10	9.4...10.6	+4...+8	< 7	25	< 200	0.5	< 0.5	7
BZX 85/C 11	10.4...11.6	+4.5...+8	< 8	20	< 300	0.5	< 0.5	7.7
BZX 85/C 12	11.4...12.7	+4.5...+8.5	< 9	20	< 350	0.5	< 0.5	8.4
BZX 85/C 13	12.4...14.1	+5...+8.5	< 10	20	< 400	0.5	< 0.5	9.1
BZX 85/C 15	13.8...15.6	+5.5...+9	< 15	15	< 500	0.5	< 0.5	10.5
BZX 85/C 16	15.3...17.1	+5.5...+9	< 15	15	< 500	0.5	< 0.5	11
BZX 85/C 18	16.8...19.1	+6...+9	< 20	15	< 500	0.5	< 0.5	12.5
BZX 85/C 20	18.8...21.2	+6...+9	< 24	10	< 600	0.5	< 0.5	14
BZX 85/C 22	20.8...23.3	+6...+9.5	< 25	10	< 600	0.5	< 0.5	15.5
BZX 85/C 24	22.8...25.6	+6...+9.5	< 25	10	< 600	0.5	< 0.5	17
BZX 85/C 27	25.1...28.9	+6...+9.5	< 30	8	< 750	0.25	< 0.5	19
BZX 85/C 30	28...32	+6...+9.5	< 30	8	< 1000	0.25	< 0.5	21
BZX 85/C 33	31...35	+6...+9.5	< 35	8	< 1000	0.25	< 0.5	23
BZX 85/C 36	34...38	+6...+9.5	< 40	8	< 1000	0.25	< 0.5	25
BZX 85/C 39	37...41	+6...+9.5	< 50	6	< 1000	0.25	< 0.5	27

Remarks: <sup>1)</sup> please request for tight tolerances

## Regulator diodes

Type	Fig. Nr.	Maximum ratings	Characteristics		
		$P_V$ at $t_{amb} = +45^{\circ}\text{C}$ W	$U_F$ V	and $r_f$ $\Omega$	at $I_F$ mA
BZY 87/0V7	20	0.2	0.65-0.75	$\leq 8$	5
BZY 87/1V4	20	0.2	1.3-1.5	$\leq 20$	5
BZY 87/2V1	20	0.2	1.9-2.3	$\leq 30$	5
BZY 87/2V8	20	0.2	2.6-3.0	$\leq 40$	5
BZY 87/3V4	20	0.2	3.2-3.7	$\leq 50$	5

Data book reference: B 2 B

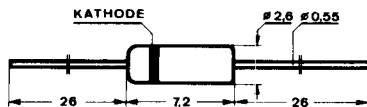


Fig. 20: 51 A 2 DIN 41880  
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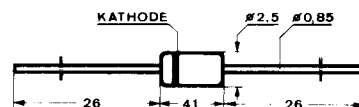


Fig. 21: 51 A 2 DIN 41880  
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