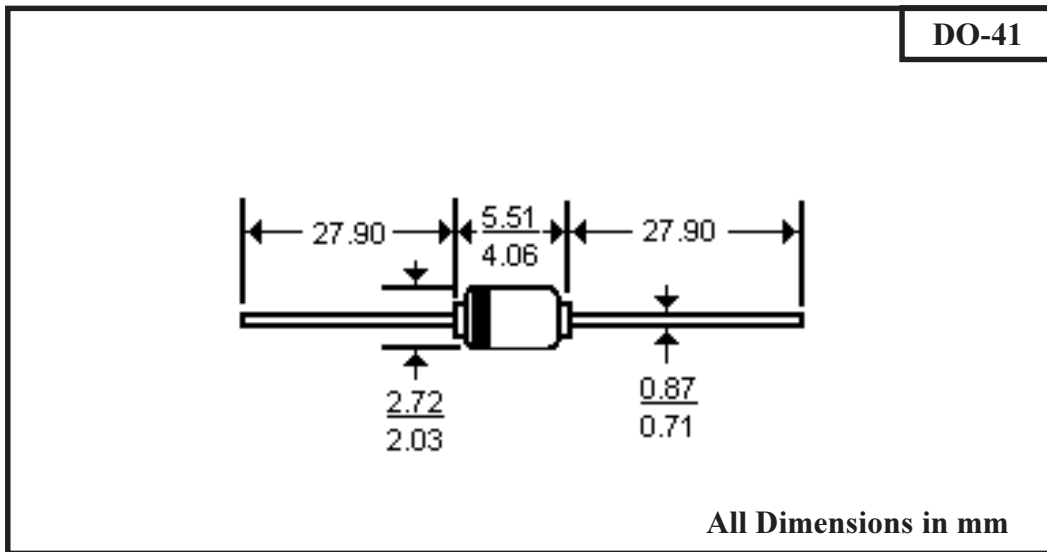


**RECTRON****SEMICONDUCTOR**

TECHNICAL SPECIFICATION

**BZX85C2V7  
THRU  
BZX85C47****1.3W DO-41 Zener Diode****Electrical Characteristics (Ta = 25°C)**

Part Number	V <sub>ZT nom</sub> (V)	Tolerance (± %)	r <sub>ZT</sub> (Ω)	@	I <sub>ZT</sub> (mA)	IR (μA)	@	V <sub>R</sub> (V)	PD (W)
BZX85C2V7	2.7	7.4	150.000		80.0	150.000		1.0	1.300
BZX85C3V3	3.3	6.0	40.000		80.0	40.000		1.0	1.300
BZX85C3V6	3.6	5.5	20.000		70.0	20.000		1.0	1.300
BZX85C3V9	3.9	5.1	10.000		60.0	10.000		1.0	1.300
BZX85C4V3	4.3	6.9	3.000		50.0	3.000		1.0	1.300
BZX85C4V7	4.7	6.3	3.000		45.0	3.000		1.0	1.300
BZX85C5V1	5.1	5.8	1.000		45.0	1.000		1.5	1.300
BZX85C5V6	5.6	7.1	1.000		45.0	1.000		2.0	1.300

**Electrical Chara. Cont. (Ta = 25°C)**

<b>Part Number</b>	<b>V<sub>ZT nom</sub></b> <b>(V)</b>	<b>Tolerance</b> <b>(± %)</b>	<b>r<sub>ZT</sub></b> <b>(Ω)</b>	<b>@</b>	<b>I<sub>ZT</sub></b> <b>(mA)</b>	<b>IR</b> <b>(μA)</b>	<b>@</b>	<b>V<sub>R</sub></b> <b>(V)</b>	<b>P<sub>D</sub></b> <b>(W)</b>
BZX85C6V2	6.2	6.4	1.000		35.0	1.000		3.0	1.300
BZX85C6V8	6.8	5.8	1.000		35.0	1.000		4.0	1.300
BZX85C7V5	7.5	6.0	1.000		35.0	1.000		4.5	1.300
BZX85C8V2	8.2	6.0	1.000		25.0	1.000		6.2	1.300
BZX85C9V1	9.1	6.0	1.000		25.0	1.000		6.8	1.300
BZX85C10	10.0	6.0	0.500		25.0	0.500		7.0	1.300
BZX85C11	11.0	5.4	0.500		20.0	0.500		8.2	1.300
BZX85C12	12.0	5.3	0.500		20.0	0.500		9.1	1.300
BZX85C13	13.0	6.5	0.500		20.0	0.500		10.0	1.300
BZX85C15	15.0	6.0	0.500		15.0	0.500		11.0	1.300
BZX85C16	16.0	5.6	0.500		15.0	0.500		12.0	1.300
BZX85C18	18.0	6.3	0.500		15.0	0.500		13.0	1.300
BZX85C20	20.0	6.0	0.500		10.0	0.500		15.0	1.300
BZX85C22	22.0	5.7	0.500		10.0	0.500		16.0	1.300
BZX85C24	24.0	5.8	0.500		10.0	0.500		18.0	1.300
BZX85C27	27.0	7.0	0.500		8.0	0.500		20.0	1.300
BZX85C30	30.0	6.6	0.500		8.0	0.500		22.0	1.300
BZX85C33	33.0	6.0	0.500		8.0	0.500		24.0	1.300
BZX85C36	36.0	5.5	0.500		8.0	0.500		27.0	1.300
BZX85C39	39.0	5.1	0.500		6.0	0.500		30.0	1.300
BZX85C43	43.0	7.0	0.500		6.0	0.500		33.0	1.300
BZX85C47	47.0	6.3	0.500		4.0	0.500		36.0	1.300

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