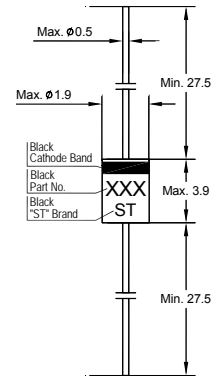


UZ Series

STANDARD ZENER DIODES

Features

Small, light and high-quality diode



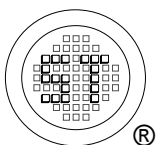
Glass Case DO-35
Dimensions in mm

Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	175	$^\circ\text{C}$
Storage Temperature Range	T_s	- 65 to + 175	$^\circ\text{C}$

Characteristics ($T_a = 25\text{ }^\circ\text{C}$)

Type	Zener Voltage ¹⁾			Dynamic Resistance		Reverse Current	
	V_Z (V)		I_Z (mA)	R_Z (Ω)		I_R (μA)	
	Min.	Max.		Max.	I_Z (mA)	Max.	V_R (V)
UZ-2V0A	1.8	2.3	10	100	10	100	0.5
UZ-2V0B	1.9	2.1					
UZ-2V2A	2	2.5	10	100	10	100	0.7
UZ-2V2B	2.1	2.3					
UZ-2V4A	2.2	2.7	10	100	10	100	1
UZ-2V4B	2.3	2.6					
UZ-2V7A	2.4	3.2	10	100	10	80	1
UZ-2V7B	2.6	2.9					
UZ-3V0A	2.6	3.5	10	80	10	50	1
UZ-3V0B	2.8	3.2					
UZ-3V3A	3	3.8	10	70	10	40	1
UZ-3V3B	3.1	3.5					
UZ-3V6A	3.3	4.1	10	70	10	10	1
UZ-3V6B	3.4	3.8					
UZ-3V9A	3.6	4.5	10	70	10	10	1
UZ-3V9B	3.7	4.1					
UZ-4V3A	3.9	4.9	10	60	10	10	1
UZ-4V3B	4	4.6					
UZ-4V7A	4.3	5.3	10	60	10	10	1
UZ-4V7B	4.4	5					
UZ-5V1A	4.7	5.8	10	50	10	10	1.5
UZ-5V1B	4.8	5.4					



SEMTECH ELECTRONICS LTD.

(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002
Certificate No. 05103



ISO 14001:2004
Certificate No. 7116



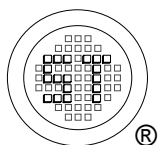
ISO 9001:2000
Certificate No. 0506088

Dated : 23/06/2007

UZ Series

Characteristics ($T_a = 25\text{ }^\circ\text{C}$)

Type	Zener Voltage ¹⁾			Dynamic Resistance		Reverse Current	
	V_Z (V)		I_Z (mA)	R_Z (Ω)		I_R (μA)	
	Min.	Max.		Max.	I_Z (mA)	Max.	V_R (V)
UZ-5V6B	5.2	6	10	20	10	1	1
UZ-5V6BL	5.2	5.6					
UZ-5V6BM	5.4	5.8					
UZ-5V6BH	5.6	6					
UZ-6V2B	5.8	6.6	10	10	10	1	1.5
UZ-6V2BL	5.8	6.2					
UZ-6V2BM	6	6.4					
UZ-6V2BH	6.2	6.6					
UZ-6V8B	6.4	7.2	10	10	10	1	2
UZ-6V8BL	6.4	6.8					
UZ-6V8BM	6.6	7					
UZ-6V8BH	6.8	7.2					
UZ-7V5B	7	7.9	10	10	10	1	3
UZ-7V5BL	7	7.5					
UZ-7V5BM	7.2	7.7					
UZ-7V5BH	7.5	7.9					
UZ-8V2B	7.7	8.7	10	10	10	1	6
UZ-8V2BL	7.7	8.2					
UZ-8V2BM	7.9	8.5					
UZ-8V2BH	8.2	8.7					
UZ-9V1B	8.5	9.6	10	10	10	1	6
UZ-9V1BL	8.5	9.1					
UZ-9V1BM	8.7	9.4					
UZ-9V1BH	9.1	9.6					
UZ-10B	9.9	10.6	10	15	5	1	8
UZ-10BL	9.4	10					
UZ-10BM	9.6	10.4					
UZ-10BH	10	10.6					
UZ-11B	10.4	11.6	5	15	5	1	9
UZ-11BL	10.4	11					
UZ-11BM	10.6	11.4					
UZ-11BH	11	11.6					
UZ-12B	11.4	12.6	5	20	5	1	10
UZ-12BL	11.4	12					
UZ-12BM	11.6	12.4					
UZ-12BH	12	12.6					
UZ-13B	12.4	14.1	5	25	5	1	11
UZ-13BL	12.4	13.2					
UZ-13BM	12.6	13.9					
UZ-13BH	13.2	14.1					
UZ-15B	13.9	15.6	5	30	5	1	12
UZ-15BL	13.9	14.8					
UZ-15BM	14.1	15.4					
UZ-15BH	14.8	15.6					
UZ-16B	15.4	17.1	5	30	5	1	14
UZ-16BL	15.4	16.2					
UZ-16BM	15.6	16.9					
UZ-16BH	16.2	17.1					



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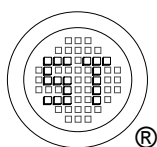
Dated : 23/06/2007

UZ Series

Characteristics ($T_a = 25\text{ }^\circ\text{C}$)

Type	Zener Voltage ¹⁾			Dynamic Resistance		Reverse Current	
	V_Z (V)		I_Z (mA)	R_Z (Ω)		I_R (μA)	
	Min.	Max.		Max.	I_Z (mA)	Max.	V_R (V)
UZ-18B	16.9	19.1	5	30	5	1	15
UZ-18BL	16.9	18					
UZ-18BM	17.1	18.9					
UZ-18BH	18	19.1					
UZ-20B	18.9	21.1	5	40	5	1	16
UZ-20BL	18.9	20					
UZ-20BM	19.1	20.9					
UZ-20BH	20	21.1					
UZ-22B	20.9	23.1	5	40	5	1	18
UZ-22BL	20.9	22					
UZ-22BM	21.1	22.8					
UZ-22BH	22	23.1					
UZ-24B	22.8	25.7	5	50	5	1	20
UZ-24BL	22.8	24.2					
UZ-24BM	23.1	25.5					
UZ-24BH	24.2	25.7					
UZ-27B	25.5	30	5	55	5	1	22
UZ-27BL	25.5	27					
UZ-27BM	25.7	28					
UZ-27BH	27	30					
UZ-30B	28	33	5	85	5	1	24
UZ-30BL	28	31					
UZ-30BM	29	32					
UZ-30BH	30	33					
UZ-33B	30	36	5	100	5	1	25
UZ-36B	33	39	5	110	5	1	27
UZ-39B	36	43	5	120	5	1	30
UZ-43B	39	47	5	130	5	1	33
UZ-47B	43	51	5	140	5	1	36
UZ-51B	47	51	5	150	5	1	36
UZ-56B	51	62	5	160	5	1	43
UZ-62B	56	68	2	450	2	1	47

¹⁾ Tested with pulses $t_p = 20\text{ ms}$.



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