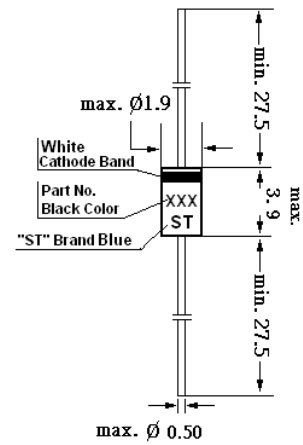


UZ Series

STANDARD ZENER DIODES (500mW)

Features:

Small, light and high-quality diode .

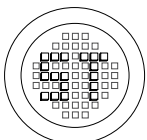


Glass case JEDEC DO-35

Dimensions in mm

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

	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	$^\circ\text{C}$



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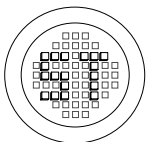
РАДИОТЕХ

Тел.: (495) 795-0805
Факс: (495) 234-1603
Эл. почта: info@rct.ru
Веб: www.rct.ru

UZ Series

Electrical Characteristics (Ta = 25°C)

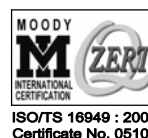
TYPE	Zener Voltage			Dynamic Resistance		Temperature coefficient on Vz (%/°C)	Reverse Current	
	V _Z (V)		I _Z (mA)	R _Z (Ω)			I _R (μA)	
	Min.	Max.		Max.	I _Z (mA)		Max.	V _R (V)
UZ-2.0A	1.8	2.3	10	100	10	-0.075	100	0.5
UZ-2.0B	1.9	2.1						
UZ-2.2A	2.0	2.5	10	100	10	-0.075	100	0.7
UZ-2.2B	2.1	2.3						
UZ-2.4A	2.2	2.7	10	100	10	-0.070	100	1.0
UZ-2.4B	2.3	2.6						
UZ-2.7A	2.4	3.2	10	100	10	-0.070	80	1.0
UZ-2.7B	2.6	2.9						
UZ-3.0A	2.6	3.5	10	80	10	-0.070	50	1.0
UZ-3.0B	2.8	3.2						
UZ-3.3A	3.0	3.8	10	70	10	-0.065	40	1.0
UZ-3.3B	3.1	3.5						
UZ-3.6A	3.3	4.1	10	70	10	-0.055	10	1.0
UZ-3.6B	3.4	3.8						
UZ-3.9A	3.6	4.5	10	70	10	-0.035	10	1.0
UZ-3.9B	3.7	4.1						
UZ-4.3A	3.9	4.9	10	60	10	-0.030	10	1.0
UZ-4.3B	4.0	4.6						
UZ-4.7A	4.3	5.3	10	60	10	-0.020	10	1.0
UZ-4.7B	4.4	5.0						
UZ-5.1A	4.7	5.8	10	50	10	-0.010	10	1.5
UZ-5.1B	4.8	5.4						
UZ-5.6B	5.2	6.0	10	20	10	-0.035	1	1.0
UZ-5.6BL	5.2	5.6						
UZ-5.6BM	5.4	5.8						
UZ-5.6BH	5.6	6.0						
UZ-6.2B	5.8	6.6	10	10	10	0.035	1	1.5
UZ-6.2BL	5.8	6.2						
UZ-6.2BM	6.0	6.4						
UZ-6.2BH	6.2	6.6						
UZ-6.8B	6.4	7.2	10	10	10	0.040	1	2.0
UZ-6.8BL	6.4	6.8						
UZ-6.8BM	6.6	7.0						
UZ-6.8BH	6.8	7.2						
UZ-7.5B	7.0	7.9	10	10	10	0.052	1	3.0
UZ-7.5BL	7.0	7.5						
UZ-7.5BM	7.2	7.7						
UZ-7.5BH	7.5	7.9						
UZ-8.2B	7.7	8.7	10	10	10	0.055	1	6.0
UZ-8.2BL	7.7	8.2						
UZ-8.2BM	7.9	8.5						
UZ-8.2BH	8.2	8.7						
UZ-9.1B	8.5	9.6	10	10	10	0.055	1	6.0
UZ-9.1BL	8.5	9.1						
UZ-9.1BM	8.7	9.4						
UZ-9.1BH	9.1	9.6						
UZ-10B	9.9	10.6	10	15	5	0.060	1	8.0
UZ-10BL	9.4	10.0						
UZ-10BM	9.6	10.4						
UZ-10BH	10.0	10.6						
UZ-11B	10.4	11.6	5	15	5	0.060	1	9.0



SEMTECH ELECTRONICS LTD.

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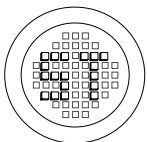
Dated : 22/07/2005

UZ Series

Electrical Characteristics (Ta = 25°)

TYPE	Zener Voltage			Dynamic Resistance		Temperature coefficient on Vz (%/°C)	Reverse Current	
	V _Z (V)			R _Z (Ω)			I _R (μA)	
	Min.	Max.	I _Z (mA)	Max.	I _Z (mA)		Max.	V _R (V)
UZ-11BL	10.4	11.0	5	15	5	0.060	1	9.0
UZ-11BM	10.6	11.4						
UZ-11BH	11.0	11.6						
UZ-12B	11.4	12.6	5	20	5	0.065	1	10.0
UZ-12BL	11.4	12.0						
UZ-12BM	11.6	12.4						
UZ-12BH	12.0	12.6						
UZ-13B	12.4	14.1	5	25	5	0.065	1	11.0
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	0.070	1	12.0
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	0.070	1	14.0
UZ-16BL	15.4	16.2						
UZ-16BM	15.6	16.9						
UZ-16BH	16.2	17.1						
UZ-18B	16.9	19.1	5	30	5	0.075	1	15.0
UZ-18BL	16.9	18.0						
UZ-18BM	17.1	18.9						
UZ-18BH	18.0	19.1						
UZ-20B	18.9	21.1	5	40	5	0.080	1	16.0
UZ-20BL	18.9	20.0						
UZ-20BM	19.1	20.9						
UZ-20BH	20.0	21.1						
UZ-22B	20.9	23.1	5	40	5	0.080	1	18.0
UZ-22BL	20.9	22.0						
UZ-22BM	21.1	22.8						
UZ-22BH	22.0	23.1						
UZ-24B	22.8	25.7	5	50	5	0.085	1	20.0
UZ-24BL	22.8	24.2						
UZ-24BM	23.1	25.5						
UZ-24BH	24.2	25.7						
UZ-27B	25.5	30.0	5	55	5	0.090	1	22.0
UZ-27BL	25.5	27.0						
UZ-27BM	25.7	28.0						
UZ-27BH	27.0	30.0						
UZ-30B	28.0	33.0	5	85	5	0.092	1	24.0
UZ-30BL	28.0	31.0						
UZ-30BM	29.0	32.0						
UZ-30BH	30.0	33.0						
UZ-33B	30.0	36.0	5	100	5	0.095	1	25
UZ-36B	33.0	39.0	5	110	5	0.095	1	27
UZ-39B	36.0	43.0	5	120	5	0.095	1	30
UZ-43B	39.0	47.0	5	130	5	0.095	1	33
UZ-47B	43.0	51.0	5	140	5	0.098	1	36
UZ-51B	47.0	51.0	5	150	5	0.098	1	36
UZ-56B	51.0	62.0	5	160	5	0.098	1	43
UZ-62B	56.0	68.0	2	450	2	0.120	1	47

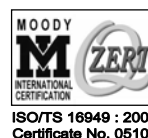
(1). Tested with pulses tp = 20 ms.



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ISO/TS 16949 : 2002
Certificate No. 05103



ISO 14001
Certificate No. 7116



ISO 9001 : 2000
Certificate No. 558-198-AL-RCC-PM

Dated : 22/07/2005