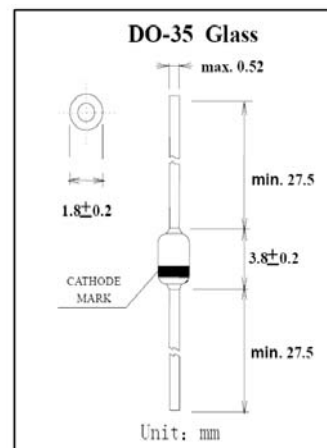


UZ_BS Series

■ Features

- Low reverse leakage
- Low zener impedance
- Maximum power dissipation of 500 mW
- High stability and high reliability



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	P _D	500	mW
Operating junction temperature	T _j	175	°C
Storage temperature range	T _s	-50 to +150	°C



UZ_BS Series

■ Electrical Characteristics Ta = 25°C

Type	Zener Voltage		Reverse Current		Dynamic Resistance		
	Vz(V)		Test Condition	I _R (μA)	Test Condition	rd(Ω)	Test Condition
	Min.	Max.	I _z (mA)	Max.	V _R (V)	Max.	I _z (mA)
UZ2.0BS A B	1.88	2.2	5	120	0.5	100	5
	1.88	2.1					
	2.02	2.2					
UZ2.2BS A B	2.12	2.41	5	120	0.7	100	5
	2.12	2.3					
	2.22	2.41					
UZ2.4BS A B	2.33	2.63	5	120	1	100	5
	2.33	2.52					
	2.43	2.63					
UZ2.7BS A B	2.54	2.91	5	100	1	100	5
	2.54	2.75					
	2.69	2.91					
UZ3.0BS A B	2.85	3.22	5	50	1	100	5
	2.85	3.07					
	3.01	3.22					
UZ3.3BS A B	3.16	3.53	5	20	1	100	5
	3.16	3.38					
	3.32	3.53					
UZ3.6BS A B	3.47	3.83	5	10	1	100	5
	3.47	3.68					
	3.62	3.83					
UZ3.9BS A B	3.77	4.14	5	5	1	100	5
	3.77	3.98					
	3.92	4.14					
UZ4.3BS A B C	4.05	4.53	5	5	1	100	5
	4.05	4.26					
	4.20	4.4					
	4.34	4.53					
UZ4.7BS A B C	4.47	4.91	5	5	1	75	5
	4.47	4.65					
	4.59	4.77					
	4.71	4.91					
UZ5.1BS A B C	4.85	5.35	5	5	1.5	75	5
	4.85	5.03					
	4.97	5.18					
	5.12	5.35					
UZ5.6BS A B C	5.29	5.88	5	5	2.5	35	5
	5.29	5.52					
	5.46	5.7					
	5.64	5.88					

UZ_BS Series

Electrical Characteristics Ta = 25

Type	Zener Voltage			Reverse Current		Dynamic Resistance		
	Vz(V)		Test Condition	IR(μA)	Test Condition	rd()	Test Condition	
	Min.	Max.	Iz(mA)	Max.	VR(V)	Max.	Iz(mA)	
UZ6.2BS		5.81	6.4	5	5	3	35	5
	A	5.81	6.06					
	B	5.99	6.24					
	C	6.16	6.4					
UZ6.8BS		6.32	6.97	5	2	3.5	15	5
	A	6.32	6.59					
	B	6.52	6.79					
	C	6.70	6.97					
UZ7.5BS		6.88	7.64	5	0.5	4	15	5
	A	6.88	7.19					
	B	7.11	7.44					
	C	7.33	7.64					
UZ8.2BS		7.56	8.41	5	0.5	5	20	5
	A	7.56	7.9					
	B	7.82	8.15					
	C	8.07	8.41					
UZ9.1BS		8.33	9.29	5	0.5	6	20	5
	A	8.33	8.7					
	B	8.61	8.99					
	C	8.89	9.29					
UZ10BS		9.19	10.3	5	0.2	7	25	5
	A	9.19	9.59					
	B	9.48	9.9					
	C	9.82	10.3					
UZ11BS		10.18	11.26	5	0.2	8	30	5
	A	10.18	10.63					
	B	10.50	10.95					
	C	10.82	11.26					
UZ12BS		11.13	12.3	5	0.2	9	35	5
	A	11.13	11.63					
	B	11.50	11.92					
	C	11.80	12.3					
UZ13BS		12.18	13.62	5	0.2	10	35	5
	A	12.18	12.71					
	B	12.59	13.16					
	C	13.03	13.62					

UZ_BS Series

Electrical Characteristics Ta = 25

Type	Zener Voltage		Reverse Current		Dynamic Resistance		
	Vz(V)		Test Condition	IR(μA)	Test Condition	rd()	Test Condition
	Min.	Max.	Iz(mA)	Max.	VR(V)	Max.	Iz(mA)
UZ15BS A B C	13.48	15.02	5	0.2	11	40	5
	13.48	14.09					
	13.95	14.56					
	14.42	15.02					
UZ16BS A B C	14.87	16.5	5	0.2	12	45	5
	14.87	15.5					
	15.33	15.96					
	15.79	16.5					
UZ18BS A B C	16.34	18.3	5	0.2	13	55	5
	16.34	17.06					
	16.90	17.67					
	17.51	18.3					
UZ20BS A B C	18.14	20.45	5	0.2	15	60	5
	18.14	18.96					
	18.8	19.68					
	19.52	20.45					
UZ22BS A B C D	20.23	22.61	5	0.2	17	65	5
	20.23	21.08					
	20.76	21.65					
	21.22	22.09					
	21.68	22.61					
UZ24BS A B C D	22.26	24.81	5	0.2	19	70	5
	22.26	23.12					
	22.75	23.73					
	23.29	24.27					
	23.81	24.81					
UZ27BS A B C D	24.26	27.64	5	0.2	21	80	5
	24.26	25.52					
	24.97	26.26					
	25.63	26.95					
	26.29	27.64					
UZ30BS A B C D	26.99	30.51	5	0.2	23	100	5
	26.99	28.39					
	27.7	29.13					
	28.36	29.82					
	29.02	30.51					



UZ_BS Series

Electrical Characteristics Ta = 25

Type	Zener Voltage		Reverse Current		Dynamic Resistance			
	Vz(V)		IR(μA)	Test Condition	rd()	Test Condition		
	Min.	Max.	Max.	VR(V)	Max.	Iz(mA)		
UZ33BS		29.68	33.11	5	0.2	25	110	5
	A	29.68	31.22					
	B	30.32	31.88					
	C	30.90	32.5					
	D	31.49	33.11					
UZ36BS		32.14	35.77	5	0.2	27	120	5
	A	32.14	33.79					
	B	32.79	34.49					
	C	33.40	35.13					
	D	34.01	35.77					
UZ39BS		34.68	38.52	5	0.2	30	140	5
	A	34.68	36.47					
	B	35.36	37.19					
	C	36.00	37.85					
	D	36.63	38.52					