

ZENER DIODE (5 Inch) SPEC SHEET				Page 1 of 4
PRODUCT NAME : ZENER DIODE FOR GLASS SEAL				
TYPE : BJxxxS Series				
Wafer size	5 Inch			
Chip size	0.32mm × 0.32mm (107424pcs / wafer)			
VZ Rank (Tol.=±2%)	BJA2V4S~BJC7V5S		BJA8V2S~BJD39VS	
ABSOLUTE MAX RATINGS(Ta=25°C)				
ITEM	SYMBOL	MAX RATINGS	UNIT	NOTE
※POWER DISSIPATION	Pd	500	mW	
JUNCTION TEMPERATURE	Tj	175	°C	
STORAGE TEMPERTURE	Tstg	-65 to +175	°C	
※Package : DO-35				
FEATURES				
<ul style="list-style-type: none"> ▪Designed for MTZ J series ▪Tolerance series: ±2% ▪Dising: Halfcut 				

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PRODUCT NAME : ZENER DIODE FOR GLASS SEAL										
TYPE : BJxxxS Series (Vz \pm 2.0%)										
VF @100mA (Max:1.0V)										
Vz Rank	Vz (V)			Iz (mA)	IR (μ A)		ZZT (Ω)		ZZK (Ω)	
	Min.	Typ.	Max.		Max.	VR(V)	Max.	Iz (mA)	Max.	Iz (mA)
BJA2V4S	2.330	2.425	2.520	5	120	1.0	100	5	1000	0.5
BJB2V4S	2.430	2.530	2.630							
BJA2V7S	2.540	2.645	2.750	5	100	1.0	110	5	1000	0.5
BJB2V7S	2.690	2.800	2.910							
BJA3V0S	2.850	2.960	3.070	5	50	1.0	120	5	1000	0.5
BJB3V0S	3.010	3.115	3.220							
BJA3V3S	3.160	3.270	3.380	5	20	1.0	120	5	1000	0.5
BJB3V3S	3.320	3.425	3.530							
BJA3V6S	3.455	3.575	3.695	5	10	1.0	100	5	1000	1
BJB3V6S	3.600	3.723	3.845							
BJA3V9S	3.740	3.875	4.010	5	5	1.0	100	5	1000	1
BJB3V9S	3.890	4.025	4.160							
BJA4V3S	4.040	4.165	4.290	5	5	1.0	100	5	1000	1
BJB4V3S	4.170	4.300	4.430							
BJC4V3S	4.300	4.435	4.570							
BJA4V7S	4.440	4.560	4.680	5	5	1.0	90	5	900	1
BJB4V7S	4.550	4.675	4.800							
BJC4V7S	4.680	4.805	4.930							
BJA5V1S	4.810	4.940	5.070	5	5	1.5	80	5	800	1
BJB5V1S	4.940	5.070	5.200							
BJC5V1S	5.090	5.230	5.370							
BJA5V6S	5.280	5.415	5.550	5	5	2.5	60	5	500	1
BJB5V6S	5.450	5.590	5.730							
BJC5V6S	5.610	5.760	5.910							
BJA6V2S	5.780	5.935	6.090	5	5	3.0	60	5	300	1
BJB6V2S	5.960	6.115	6.270							
BJC6V2S	6.120	6.280	6.440							
BJA6V8S	6.290	6.460	6.630	5	2	3.5	20	5	150	0.5
BJB6V8S	6.490	6.660	6.830							
BJC6V8S	6.660	6.835	7.010							
BJA7V5S	6.850	7.035	7.220	5	0.5	4.0	20	5	120	0.5
BJB7V5S	7.070	7.260	7.450							
BJC7V5S	7.290	7.480	7.670							

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TYPE : BJxxxS Series (VZ \pm 2.0%)										
VF @100mA (Max:1.0V)										
VZ Rank	VZ (V)			Iz (mA)	IR (μ A)		ZZT (Ω)		ZZK (Ω)	
	Min.	Typ.	Max.		Max.	VR(V)	Max.	Iz (mA)	Max.	Iz (mA)
BJA8V2S	7.530	7.725	7.920	5	0.5	5.0	20	5	120	0.5
BJB8V2S	7.780	7.985	8.190							
BJC8V2S	8.030	8.240	8.450							
BJA9V1S	8.290	8.510	8.730	5	0.5	6.0	25	5	120	0.5
BJB9V1S	8.570	8.790	9.010							
BJC9V1S	8.830	9.065	9.300							
BJA10VS	9.120	9.355	9.590	5	0.2	7.0	30	5	120	0.5
BJB10VS	9.410	9.655	9.900							
BJC10VS	9.700	9.950	10.20							
BJD10VS	9.940	10.19	10.44							
BJA11VS	10.18	10.45	10.71	5	0.2	8.0	30	5	120	0.5
BJB11VS	10.50	10.78	11.05							
BJC11VS	10.82	11.10	11.38							
BJA12VS	11.13	11.42	11.71	5	0.2	9.0	30	5	110	0.5
BJB12VS	11.44	11.74	12.03							
BJC12VS	11.74	12.05	12.35							
BJA13VS	12.11	12.43	12.75	5	0.2	10.0	35	5	110	0.5
BJB13VS	12.55	12.88	13.21							
BJC13VS	12.99	13.33	13.66							
BJA15VS	13.44	13.79	14.13	5	0.2	11.0	40	5	110	0.5
BJB15VS	13.89	14.26	14.62							
BJC15VS	14.35	14.72	15.09							
BJA16VS	14.80	15.19	15.57	5	0.2	12.0	40	5	150	0.5
BJB16VS	15.25	15.65	16.04							
BJC16VS	15.69	16.10	16.51							
BJA18VS	16.22	16.64	17.06	5	0.2	13.0	45	5	150	0.5
BJB18VS	16.82	17.26	17.70							
BJC18VS	17.42	17.88	18.33							
BJA20VS	18.02	18.49	18.96	5	0.2	15.0	55	5	200	0.5
BJB20VS	18.63	19.11	19.59							
BJC20VS	19.23	19.73	20.22							
BJD20VS	19.72	20.22	20.72							
BJA22VS	20.15	20.68	21.20	5	0.2	17.0	30	5	200	0.5
BJB22VS	20.64	21.18	21.71							
BJC22VS	21.08	21.63	22.17							
BJD22VS	21.52	22.08	22.63							

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PRODUCT NAME : ZENER DIODE FOR GLASS SEAL										
TYPE : BJxxxS Series ($V_Z \pm 2.0\%$)										
VF @100mA (Max:1.0V)										
Vz Rank	Vz (V)			Iz (mA)	IR (μ A)		ZZT (Ω)		ZZK (Ω)	
	Min.	Typ.	Max.		Max.	VR(V)	Max.	Iz (mA)	Max.	Iz (mA)
BJA24VS	22.05	22.62	23.18	5	0.2	19.0	35	5	200	0.5
BJB24VS	22.61	23.19	23.77							
BJC24VS	23.12	23.72	24.31							
BJD24VS	23.63	24.24	24.85							
BJA27VS	24.26	24.89	25.52	5	0.2	21.0	45	5	250	0.5
BJB27VS	24.97	25.62	26.26							
BJC27VS	25.63	26.29	26.95							
BJD27VS	26.29	26.97	27.64							
BJA30VS	26.99	27.69	28.39	5	0.2	23.0	55	5	250	0.5
BJB30VS	27.70	28.42	29.13							
BJC30VS	28.36	29.09	29.82							
BJD30VS	29.02	29.77	30.51							
BJA33VS	29.68	30.45	31.22	5	0.2	25.0	65	5	250	0.5
BJB33VS	30.32	31.10	31.88							
BJC33VS	30.90	31.70	32.50							
BJD33VS	31.49	32.30	33.11							
BJA36VS	32.14	32.97	33.79	5	0.2	27.0	75	5	250	0.5
BJB36VS	32.79	33.64	34.49							
BJC36VS	33.40	34.27	35.13							
BJD36VS	34.01	34.89	35.77							
BJA39VS	34.68	35.58	36.47	5	0.2	30.0	85	5	250	0.5
BJB39VS	35.36	36.28	37.19							
BJC39VS	36.00	36.93	37.85							
BJD39VS	36.63	37.58	38.52							

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