

ZENER DIODE (5 Inch) SPEC SHEET				Page 1 of 3
PRODUCT NAME : ZENER DIODE FOR GLASS SEAL				
TYPE : BRxxxS Series				
Wafer size	5 Inch			
Chip size	0.32mm × 0.32mm (107424pcs / wafer)			
Vz Rank (Tol.=±2%)	BRA3V0S~BRC7V5S		BRA8V2S~BRD20VS	
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 series ▪Tolerance series: ±2% ▪Dicing: Half cut 				

ZENER DIODE (5 Inch) SPEC SHEET				SHEET No.			Rev	Page		
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PRODUCT NAME : ZENER DIODE FOR GLASS SEAL										
TYPE : BRxxxS 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)
BRA3V0S	2.850	2.960	3.070	20	50	1.0	80	20	1000	1
BRB3V0S	3.010	3.115	3.220							
BRA3V3S	3.160	3.270	3.380	20	20	1.0	70	20	1000	1
BRB3V3S	3.320	3.425	3.530							
BRA3V6S	3.455	3.575	3.695	20	10	1.0	60	20	1000	1
BRB3V6S	3.600	3.723	3.845							
BRA3V9S	3.740	3.875	4.010	20	5	1.0	50	20	1000	1
BRB3V9S	3.890	4.025	4.160							
BRA4V3S	4.040	4.165	4.290	20	5	1.0	40	20	1000	1
BRB4V3S	4.170	4.300	4.430							
BRC4V3S	4.300	4.435	4.570							
BRA4V7S	4.440	4.560	4.680	20	5	1.0	25	20	900	1
BRB4V7S	4.550	4.675	4.800							
BRC4V7S	4.680	4.805	4.930							
BRA5V1S	4.810	4.940	5.070	20	5	1.5	20	20	800	1
BRB5V1S	4.940	5.070	5.200							
BRC5V1S	5.090	5.230	5.370							
BRA5V6S	5.280	5.415	5.550	20	5	2.5	13	20	500	1
BRB5V6S	5.450	5.590	5.730							
BRC5V6S	5.610	5.760	5.910							
BRA6V2S	5.780	5.935	6.090	20	5	3.0	10	20	300	1
BRB6V2S	5.960	6.115	6.270							
BRC6V2S	6.120	6.280	6.440							
BRA6V8S	6.290	6.460	6.630	20	2	3.5	8	20	150	0.5
BRB6V8S	6.490	6.660	6.830							
BRC6V8S	6.660	6.835	7.010							
BRA7V5S	6.850	7.035	7.220	20	0.5	4.0	8	20	120	0.5
BRB7V5S	7.070	7.260	7.450							
BRC7V5S	7.290	7.480	7.670							

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PRODUCT NAME : ZENER DIODE FOR GLASS SEAL										
TYPE : BRxxxS Series (VZ±2.0%)										
VF@100mA Max:1.0V										
Vz Rank	VZ (V)				IR (μA)		ZZT (Ω)		ZZK (Ω)	
	Min.	Typ.	Max.	Iz (mA)	Max.	VR (V)	Max.	Iz (mA)	Max.	Iz (mA)
BRA8V2S	7.530	7.725	7.920	20	0.5	5.0	8	20	120	0.5
BRB8V2S	7.780	7.985	8.190							
BRC8V2S	8.030	8.240	8.450							
BRA9V1S	8.290	8.510	8.730	20	0.5	6.0	8	20	120	0.5
BRB9V1S	8.570	8.790	9.010							
BRC9V1S	8.830	9.065	9.300							
BRA10VS	9.120	9.355	9.590	20	0.2	7.0	8	20	120	0.5
BRB10VS	9.410	9.655	9.900							
BRC10VS	9.700	9.950	10.20							
BRD10VS	9.940	10.19	10.44							
BRA11VS	10.18	10.45	10.71	10	0.2	8.0	10	10	120	0.5
BRB11VS	10.50	10.78	11.05							
BRC11VS	10.82	11.10	11.38							
BRA12VS	11.13	11.42	11.71	10	0.2	9.0	12	10	110	0.5
BRB12VS	11.44	11.74	12.03							
BRC12VS	11.74	12.05	12.35							
BRA13VS	12.11	12.43	12.75	10	0.2	10.0	14	10	110	0.5
BRB13VS	12.55	12.88	13.21							
BRC13VS	12.99	13.33	13.66							
BRA15VS	13.44	13.79	14.13	10	0.2	11.0	16	10	110	0.5
BRB15VS	13.89	14.26	14.62							
BRC15VS	14.35	14.72	15.09							
BRA16VS	14.80	15.19	15.57	10	0.2	12.0	18	10	150	0.5
BRB16VS	15.25	15.65	16.04							
BRC16VS	15.69	16.10	16.51							
BRA18VS	16.22	16.64	17.06	10	0.2	13.0	23	10	150	0.5
BRB18VS	16.82	17.26	17.70							
BRC18VS	17.42	17.88	18.33							
BRA20VS	18.02	18.49	18.96	10	0.2	15.0	28	10	200	0.5
BRB20VS	18.63	19.11	19.59							
BRC20VS	19.23	19.73	20.22							
BRD20VS	19.72	20.22	20.72							