

ZENER DIODE (5 Inch) SPEC SHEET				Page
1 of 2				
PRODUCT NAME : ZENER DIODE FOR GLASS SEAL				
TYPE : BGN52xxS Series				
Wafer size	5 Inch			
Chip size	0.32mm × 0.32mm (107424pcs / wafer)			
Vz Rank	BGN5221S~BGN5236S		BGN5237S~BGN5267S	
ABSOLUTE MAX RATINGS (Ta=25°C)				
ITEM	SYMBOL	MAX. RATINGS	UNIT	NOTE
※POWER DISSIPATION	Pd	500	mW	
JUNCTION TEMPERATURE	Tj	175	°C	
STORAGE TEMPERATURE	Tstg	-65 to +175	°C	
※Package: DO-35				
FEATURES				
<ul style="list-style-type: none"> ▪Designed for 1N52 series ▪Dicing: BGN52xxS:Half cut ▪Standard Zener voltage tolerance is ±5% 				

SHEET No.			Rev		Page			
SPEC SHEET			F08017		0		2 of 2	
PRODUCT NAME : 5 Inch ZENER DIODE FOR GLASS PACKAGE								
BGN52xxS SERIES								
VF @ 200mA 1.10V Max. for all Types								
Type	VZ (V)		IR (μ A)		ZZT (Ω)		ZZK (Ω)	
	Typ.	Iz (mA)	Max.	VR (V)	Max.	Iz (mA)	Max.	Iz (mA)
BGN5221S	2.40	20	100	1.0	30	20	1200	0.25
BGN5223S	2.70	20	75	1.0	30	20	1300	0.25
BGN5225S	3.00	20	50	1.0	29	20	1600	0.25
BGN5226S	3.30	20	25	1.0	28	20	1600	0.25
BGN5227S	3.60	20	15	1.0	24	20	1700	0.25
BGN5228S	3.90	20	10	1.0	23	20	1900	0.25
BGN5229S	4.30	20	5	1.0	22	20	2000	0.25
BGN5230S	4.70	20	5	2.0	19	20	1900	0.25
BGN5231S	5.10	20	5	2.0	17	20	1600	0.25
BGN5232S	5.60	20	5	3.0	11	20	1600	0.25
BGN5234S	6.20	20	5	4.0	7	20	1000	0.25
BGN5235S	6.80	20	3	5.0	5	20	750	0.25
BGN5236S	7.50	20	3	6.0	6	20	500	0.25
BGN5237S	8.20	20	3	6.5	8	20	500	0.25
BGN5239S	9.10	20	3	7.0	10	20	600	0.25
BGN5240S	10.0	20	3	8.0	17	20	600	0.25
BGN5241S	11.0	20	2	8.4	22	20	600	0.25
BGN5242S	12.0	20	1	9.1	30	20	600	0.25
BGN5243S	13.0	9.5	0.5	9.9	13	9.5	600	0.25
BGN5245S	15.0	8.5	0.1	11	16	8.5	600	0.25
BGN5246S	16.0	7.8	0.1	12	17	7.8	600	0.25
BGN5248S	18.0	7.0	0.1	14	21	7.0	600	0.25
BGN5250S	20.0	6.2	0.1	15	25	6.2	600	0.25
BGN5251S	22.0	5.6	0.1	17	29	5.6	600	0.25
BGN5252S	24.0	5.2	0.1	18	33	5.2	600	0.25
BGN5254S	27.0	4.6	0.1	21	41	4.6	600	0.25
BGN5256S	30.0	4.2	0.1	23	49	4.2	600	0.25
BGN5257S	33.0	3.8	0.1	25	58	3.8	700	0.25
BGN5258S	36.0	3.4	0.1	27	70	3.4	700	0.25
BGN5259S	39.0	3.2	0.1	30	80	3.2	800	0.25
BGN5260S	43.0	3.0	0.1	33	93	3.0	900	0.25
BGN5261S	47.0	2.7	0.1	36	105	2.7	1000	0.25
BGN5262S	51.0	2.5	0.1	39	125	2.5	1100	0.25
BGN5263S	56.0	2.2	0.1	43	150	2.2	1300	0.25
BGN5264S	60.0	2.1	0.1	46	170	2.1	1400	0.25
BGN5265S	62.0	2.0	0.1	47	185	2.0	1400	0.25
BGN5266S	68.0	1.8	0.1	52	230	1.8	1600	0.25
BGN5267S	75.0	1.7	0.1	56	270	1.7	1700	0.25

PHENITEC SEMICONDUCTOR Corp.