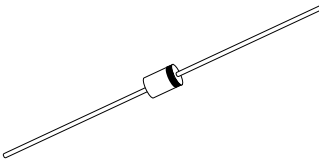


# Zener Diodes

POWER	250 mW			400 mW	
CASE	 DO-35				
ZENER VOLTAGE	GENERAL PURPOSE	LOW NOISE LOW LEVEL	LOW LEVEL	LOW IMPEDANCE	LOW VOLTAGE AVALANCE
1.8		1N4614	1N4678		
2.0		1N4615	1N4679		
2.2		1N4616	1N4680		
2.4		1N4617	1N4681		
2.7	1N702A	1N4618	1N4682		
3.0		1N4619	1N4683		
3.3		1N4620	1N4684	1N3506	
3.6	1N703A	1N4621	1N4685	1N3507	
3.9		1N4622	1N4686	1N3508	
4.3	1N704A	1N4623	1N4687	1N3509	1N6082B
4.7		1N4624	1N4688	1N3510	1N6083B
5.1	1N705A	1N4625	1N4689	1N3511	1N6084B
5.6		1N4626	1N4690	1N3512	1N6085B
6.0	1N706A	1N4627			
6.2		1N4628	1N4691	1N3513	1N6086B
6.8		1N4099	1N4692	1N3514	1N6087B
7.1	1N707A				
7.5		1N4100	1N4693	1N3515	1N6088B
8.2		1N4101	1N4694	1N3516	1N6089B
8.7		1N4102	1N4695		
9.1		1N4103	1N4696	1N3517	1N6090B
10		1N4104	1N4697	1N3518	1N6091B
11		1N4105	1N4698	1N3519	
12		1N4106	1N4699	1N3520	
13		1N4107	1N4700	1N3521	
14		1N4108	1N4701		
15		1N4109	1N4702	1N3522	
16		1N4110	1N4703	1N3523	
17		1N4111	1N4704		
18		1N4112	1N4705	1N3524	
19		1N4113	1N4706		
20		1N4114	1N4707	1N3525	
22		1N4115	1N4708	1N3526	
24		1N4116	1N4709	1N3527	

For complete specifications, please consult factory.

Special selections and tight tolerances available.

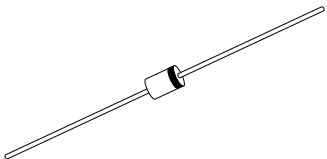
DO-35 devices are also available in Radial Tape and Reel (Euroform). See pages 236 thru 238.

**Central**  
Semiconductor Corp.

www.centalsemi.com

(6-December 2004)

## Zener Diodes (Continued)

POWER	250 mW			400 mW	
CASE	 DO-35				
ZENER VOLTAGE		LOW NOISE LOW LEVEL	LOW LEVEL	LOW IMPEDANCE	
25		1N4117	1N4710		
27		1N4118	1N4711	1N3528	
28		1N4119	1N4712		
30		1N4120	1N4713	1N3529	
33		1N4121	1N4714	1N3530	
36		1N4122	1N4715	1N3531	
39		1N4123	1N4716	1N3532	
43		1N4124	1N4717	1N3533	
47		1N4125		1N3534	
51		1N4126			
56		1N4127			
60		1N4128			
62		1N4129			
68		1N4130			
75		1N4131			
82		1N4132			
87		1N4133			
91		1N4134			
100		1N4135			

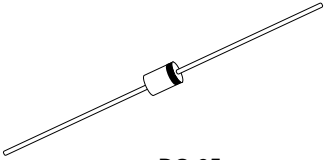
For complete specifications, please consult factory.  
 Special selections and tight tolerances available.  
 DO-35 devices are also available in Radial Tape and Reel (Euroform). See pages 236 thru 238.

(6-December 2004)

**Central**<sup>™</sup>  
**Semiconductor Corp.**  
[www.centalsemi.com](http://www.centalsemi.com)

# Zener Diodes

(Continued)

POWER	500 mW					
CASE	 DO-35					
ZENER VOLTAGE	INDUSTRY STANDARD	INDUSTRY STANDARD	INDUSTRY STANDARD	ULTRA LOW NOISE	GENERAL PURPOSE	INDUSTRY STANDARD
2.4		1N4370A	1N5221B			1N5985B
2.5			1N5222B			
2.7		1N4371A	1N5223B			1N5986B
2.8			1N5224B			
3.0		1N4372A	1N5225B			1N5987B
3.3		1N746A	1N5226B	1N5518B		1N5988B
3.6		1N747A	1N5227B	1N5519B		1N5989B
3.9		1N748A	1N5228B	1N5520B		1N5990B
4.3		1N749A	1N5229B	1N5521B		1N5991B
4.7		1N750A	1N5230B	1N5522B	1N5728B	1N5992B
5.1		1N751A	1N5231B	1N5523B	1N5729B	1N5993B
5.6		1N752A	1N5232B	1N5524B	1N5730B	1N5994B
6.0			1N5233B			
6.2		1N753A	1N5234B	1N5525B	1N5731B	1N5995B
6.8	1N957B	1N754A	1N5235B	1N5526B	1N5732B	1N5996B
7.5	1N958B	1N755A	1N5236B	1N5527B	1N5733B	1N5997B
8.2	1N959B	1N756A	1N5237B	1N5528B	1N5734B	1N5998B
8.7			1N5238B			
9.1	1N960B	1N757A	1N5239B	1N5529B	1N5735B	1N5999B
10	1N961B	1N758A	1N5240B	1N5530B	1N5736B	1N6000B
11	1N962B		1N5241B	1N5531B	1N5737B	1N6001B
12	1N963B	1N759A	1N5242B	1N5532B	1N5738B	1N6002B
13	1N964B		1N5243B	1N5533B	1N5739B	1N6003B
14			1N5244B	1N5534B		
15	1N965B		1N5245B	1N5535B	1N5740B	1N6004B
16	1N966B		1N5246B	1N5536B	1N5741B	1N6005B
17			1N5247B	1N5537B		
18	1N967B		1N5248B	1N5538B	1N5742B	1N6006B
19			1N5249B	1N5539B		
20	1N968B		1N5250B	1N5540B	1N5743B	1N6007B
22	1N969B		1N5251B	1N5541B	1N5744B	1N6008B
24	1N970B		1N5252B	1N5542B	1N5745B	1N6009B

For complete specifications, please consult factory.  
Special selections and tight tolerances available.  
DO-35 devices are also available in Radial Tape and Reel (Euroform). See pages 236 thru 238.

# Zener Diodes

(Continued)

POWER	500 mW					
CASE	DO-35					
ZENER VOLTAGE	INDUSTRY STANDARD		INDUSTRY STANDARD	ULTRA LOW NOISE	GENERAL PURPOSE	INDUSTRY STANDARD
25			1N5253B	1N5543B		
27	1N971B		1N5254B		1N5746B	1N6010B
28			1N5255B	1N5544B		
30	1N972B		1N5256B	1N5545B	1N5747B	1N6011B
33	1N973B		1N5257B	1N5546B	1N5748B	1N6012B
36	1N974B		1N5258B		1N5749B	1N6013B
39	1N975B		1N5259B		1N5750B	1N6014B
43	1N976B		1N5260B		1N5751B	1N6015B
47	1N977B		1N5261B		1N5752B	1N6016B
51	1N978B		1N5262B		1N5753B	1N6017B
56	1N979B		1N5263B		1N5754B	1N6018B
60			1N5264B			
62	1N980B		1N5265B		1N5755B*	1N6019B
68	1N981B		1N5266B		1N5756B*	1N6020B
75	1N982B		1N5267B		1N5757B*	1N6021B
82	1N983B		1N5268B			1N6022B
87			1N5269B			
91	1N984B		1N5270B			1N6023B
100	1N985B		1N5271B			1N6024B
110	1N986B		1N5272B			1N6025B
120	1N987B		1N5273B			1N6026B
130	1N988B		1N5274B			1N6027B
140			1N5275B			
150	1N989B		1N5276B			1N6028B
160	1N990B		1N5277B			1N6029B
170			1N5278B			
180	1N991B		1N5279B			1N6030B
190			1N5280B			
200	1N992B		1N5281B			1N6031B

For complete specifications, please consult factory.

Special selections and tight tolerances available.

\* Not recommended for new designs.

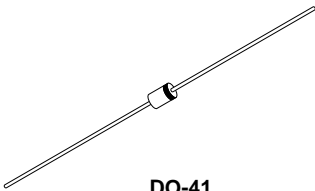
DO-35 devices are also available in Radial Tape and Reel (Euroform). See pages 236 thru 238.

(6-December 2004)

**Central**<sup>™</sup>  
Semiconductor Corp.  
www.centalsemi.com

# Zener Diodes

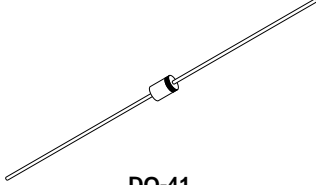
(Continued)

POWER	1.0 WATT				
CASE	 DO-41				
ZENER VOLTAGE	GENERAL PURPOSE	GENERAL PURPOSE	INDUSTRY STANDARD	GENERAL PURPOSE	
3.3			1N4728A		
3.6			1N4729A		
3.9			1N4730A		
4.3			1N4731A		
4.7			1N4732A		
5.1			1N4733A		
5.6			1N4734A		
6.2			1N4735A		
6.8	1N3675B	1N4158B	1N4736A	1N5559B	
7.5	1N3676B	1N4159B	1N4737A	1N5560B	
8.2	1N3677B	1N4160B	1N4738A	1N5561B	
9.1	1N3678B	1N4161B	1N4739A	1N5562B	
10	1N3679B	1N4162B	1N4740A	1N5563B	
11	1N3680B	1N4163B	1N4741A	1N5564B	
12	1N3681B	1N4164B	1N4742A	1N5565B	
13	1N3682B	1N4165B	1N4743A	1N5566B	
15	1N3683B	1N4166B	1N4744A	1N5567B	
16	1N3684B	1N4167B	1N4745A	1N5568B	
18	1N3685B	1N4168B	1N4746A	1N5569B	
20	1N3686B	1N4169B	1N4747A	1N5570B	
22	1N3687B	1N4170B	1N4748A	1N5571B	
24	1N3688B	1N4171B	1N4749A	1N5572B	
27	1N3689B	1N4172B	1N4750A	1N5573B	
30	1N3690B	1N4173B	1N4751A	1N5574B	

For complete specifications, please consult factory.

# Zener Diodes

(Continued)

POWER	1.0 WATT				
CASE	 DO-41				
ZENER VOLTAGE	GENERAL PURPOSE	GENERAL PURPOSE	INDUSTRY STANDARD	GENERAL PURPOSE	HIGH VOLTAGE
33	1N3691B	1N4174B	1N4752A	1N5575B	
36	1N3692B	1N4175B	1N4753A	1N5576B	
39	1N3693B	1N4176B	1N4754A	1N5577B	
43	1N3694B	1N4177B	1N4755A	1N5578B	
47	1N3695B	1N4178B	1N4756A	1N5579B	
51	1N3696B	1N4179B	1N4757A	1N5580B	
56	1N3697B	1N4180B	1N4758A	1N5581B	
62	1N3698B*	1N4181B*	1N4759A	1N5582B	
68	1N3699B*	1N4182B*	1N4760A	1N5583B	
75	1N3700B*	1N4183B*	1N4761A	1N5584B	
82	1N3701B*	1N4184B*	1N4762A	1N5585B	
91	1N3702B*	1N4185B*	1N4763A	1N5586B	
100	1N3703B	1N4186B	1N4764A	1N5587B	C1Z100B
110	1N3704B	1N4187B		1N5588B	C1Z110B
120	1N3705B	1N4188B		1N5589B	C1Z120B
130	1N3706B	1N4189B		1N5590B	C1Z130B
150	1N3707B	1N4190B		1N5591B	C1Z150B
160	1N3708B	1N4191B		1N5592B	C1Z160B
180	1N3709B	1N4192B		1N5593B	C1Z180B
200	1N3710B	1N4193B		1N5594B	C1Z200B
300					C1Z300B
330					C1Z330B

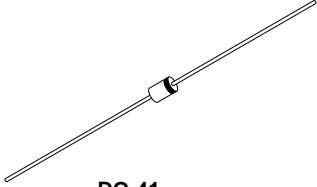
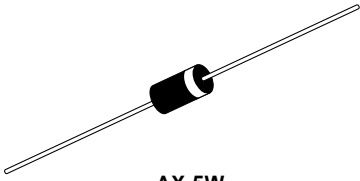
For complete specifications, please consult factory.  
\*Not recommended for new designs.

(6-December 2004)

**Central**<sup>™</sup>  
Semiconductor Corp.  
www.centrasemi.com

# Zener Diodes

(Continued)

POWER	1.5 WATT		2.0 WATT	2.5 WATT
				
CASE	DO-41			AX-5W
ZENER VOLTAGE	HIGH PERFORMANCE	INDUSTRY STANDARD		GENERAL PURPOSE
3.3		1N5913B		1N5008A*
3.6		1N5914B		1N5009A*
3.9		1N5915B		1N5010A*
4.3		1N5916B		1N5011A*
4.7		1N5917B		1N5012A*
5.1		1N5918B		1N5013A*
5.6		1N5919B		1N5014A*
6.2	1N4460	1N5920B		1N5015A*
6.8	1N4461	1N5921B		1N5016A*
7.5	1N4462	1N5922B		1N5017A*
8.2	1N4463	1N5923B		1N5018A*
9.1	1N4464	1N5924B		1N5019A*
10	1N4465	1N5925B		1N5020A*
11	1N4466	1N5926B		1N5021A*
12	1N4467	1N5927B		1N5022A*
13	1N4468	1N5928B		1N5023A*
14				1N5024A*
15	1N4469	1N5929B		1N5025A*
16	1N4470	1N5930B		1N5026A*
17				1N5027A*
18	1N4471	1N5931B		1N5028A*
19				1N5029A*
20	1N4472	1N5932B		1N5030A*
22	1N4473	1N5933B		1N5031A*
24	1N4474	1N5934B		1N5032A*
25				1N5033A*
27	1N4475	1N5935B		1N5034A*
30	1N4476	1N5936B		1N5035A*

For complete specifications, please consult factory.

\*Not recommended for new designs.

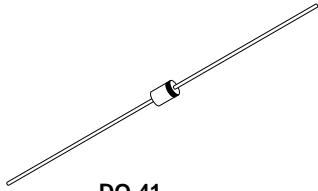
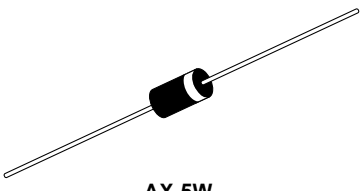
**Central**  
Semiconductor Corp.

www.centalsemi.com

(6-December 2004)

# Zener Diodes

(Continued)

POWER	1.5 WATT		2.0 WATT	2.5 WATT
				
CASE	DO-41			AX-5W
ZENER VOLTAGE	HIGH PERFORMANCE	INDUSTRY STANDARD	HIGH VOLTAGE	GENERAL PURPOSE
33	1N4477	1N5937B		1N5036A*
36	1N4478	1N5938B		1N5037A*
39	1N4479	1N5939B		1N5038A*
43	1N4480	1N5940B		1N5039A*
45				1N5040A*
47	1N4481	1N5941B		1N5041A*
50				1N5042A*
51	1N4482	1N5942B		1N5043A*
52				1N5044A*
56	1N4483	1N5943B		1N5045A*
62	1N4484	1N5944B		1N5046A*
68	1N4485	1N5945B		1N5047A*
75	1N4486	1N5946B		1N5048A*
82	1N4487	1N5947B		1N5049A*
91	1N4488	1N5948B		1N5050A*
100	1N4489	1N5949B	C2Z100B	1N5051A*
110	1N4490	1N5950B	C2Z110B	
120	1N4491	1N5951B	C2Z120B	
130	1N4492	1N5952B	C2Z130B	
150	1N4493	1N5953B	C2Z150B	
160	1N4494	1N5954B	C2Z160B	
180	1N4495	1N5955B	C2Z180B	
200	1N4496	1N5956B	C2Z200B	
300			C2Z300B	
330			C2Z330B	

For complete specifications, please consult factory.  
\*Not recommended for new designs.

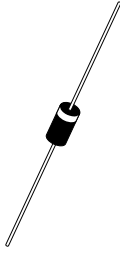
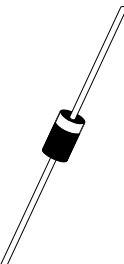

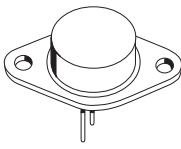

(6-December 2004)

**Central**<sup>™</sup>  
Semiconductor Corp.  
www.centalsemi.com



# Zener Diodes

(Continued)

POWER	5.0 WATT		10 WATT	50 WATT	
CASE					
ZENER VOLTAGE	INDUSTRY STANDARD	RECOMMENDED FOR NEW DESIGNS	GENERAL PURPOSE	GENERAL PURPOSE	GENERAL PURPOSE
3.6	1N5334B*	CZ5334B			
3.9	1N5335B*	CZ5335B			
4.3	1N5336B*	CZ5336B			
4.7	1N5337B*	CZ5337B			
5.1	1N5338B*	CZ5338B			
5.6	1N5339B*	CZ5339B			
6.0	1N5340B*	CZ5340B			
6.2	1N5341B*	CZ5341B			
6.8	1N5342B*	CZ5342B			1N3305B
7.5	1N5343B*	CZ5343B			1N3306B
8.2	1N5344B*	CZ5344B			1N3307B
8.7	1N5345B*	CZ5345B			
9.1	1N5346B*	CZ5346B			1N3308B
10	1N5347B*	CZ5347B	1N2974B	1N2808B	1N3309B
11	1N5348B*	CZ5348B	1N2975B	1N2809B	1N3310B
12	1N5349B*	CZ5349B	1N2976B	1N2810B	1N3311B
13	1N5350B*	CZ5350B	1N2977B	1N2811B	1N3312B
14	1N5351B*	CZ5351B	1N2978B	1N2812B	1N3313B
15	1N5352B*	CZ5352B	1N2979B	1N2813B	1N3314B
16	1N5353B*	CZ5353B	1N2980B	1N2814B	1N3315B
17	1N5354B*	CZ5354B	1N2981B	1N2815B	1N3316B
18	1N5355B*	CZ5355B	1N2982B	1N2816B	1N3317B
19	1N5356B*	CZ5356B	1N2983B	1N2817B	1N3318B
20	1N5357B*	CZ5357B	1N2984B	1N2818B	1N3319B
22	1N5358B*	CZ5358B	1N2985B	1N2819B	1N3320B
24	1N5359B*	CZ5359B	1N2986B	1N2820B	1N3321B
25	1N5360B*	CZ5360B	1N2987B	1N2821B	1N3322B
27	1N5361B*	CZ5361B	1N2988B	1N2822B	1N3323B
28	1N5362B*	CZ5362B			

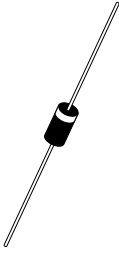
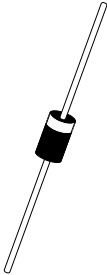

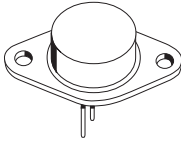

For complete specifications, please consult factory.  
 \*\* Reverse polarity available. Simply change "B" suffix to "RB".

\* Not recommended for new designs.

See mechanical specifications on page 208

# Zener Diodes

(Continued)

POWER	5.0 WATT		10 WATT	50 WATT	
					
CASE	AX-5W	DO-201	DO-4**	TO-3 50 mil**	DO-5**
ZENER VOLTAGE	INDUSTRY STANDARD	RECOMMENDED FOR NEW DESIGNS	GENERAL PURPOSE	GENERAL PURPOSE	GENERAL PURPOSE
30	1N5363B*	CZ5363B	1N2989B	1N2823B	1N3324B
33	1N5364B*	CZ5364B	1N2990B	1N2824B	1N3325B
36	1N5365B*	CZ5365B	1N2991B	1N2825B	1N3326B
39	1N5366B*	CZ5366B	1N2992B	1N2826B	1N3327B
43	1N5367B*	CZ5367B	1N2993B	1N2827B	1N3328B
45			1N2994B	1N2828B	1N3329B
47	1N5368B*	CZ5368B	1N2995B	1N2829B	1N3330B
50			1N2996B	1N2830B	1N3331B
51	1N5369B*	CZ5369B	1N2997B	1N2831B	1N3332B
52			1N2998B		1N3333B
56	1N5370B*	CZ5370B	1N2999B	1N2832B	1N3334B
60	1N5371B*	CZ5371B			
62	1N5372B*	CZ5372B	1N3000B	1N2833B	1N3335B
68	1N5373B*	CZ5373B	1N3001B	1N2834B	1N3336B
75	1N5374B*	CZ5374B	1N3002B	1N2835B	1N3337B
82	1N5375B*	CZ5375B	1N3003B	1N2836B	1N3338B
87	1N5376B*	CZ5376B			
91	1N5377B*	CZ5377B	1N3004B	1N2837B	1N3339B
100	1N5378B*	CZ5378B	1N3005B	1N2838B	1N3340B
105			1N3006B	1N2839B	1N3341B
110	1N5379B*		1N3007B	1N2840B	1N3342B
120	1N5380B*	CZ5379B	1N3008B	1N2841B	1N3343B
130	1N5381B*	CZ5380B	1N3009B	1N2842B	1N3344B
140	1N5382B*	CZ5381B	1N3010B		1N3345B
150	1N5383B*	CZ5382B	1N3011B	1N2843B	1N3346B
160	1N5384B*	CZ5383B	1N3012B	1N2844B	1N3347B
170	1N5385B*	CZ5385B	1N3013B		
175					1N3348B
180	1N5386B*	CZ5386B	1N3014B	1N2845B	1N3349B
190	1N5387B*	CZ5387B			
200	1N5388B*	CZ5388B	1N3015B	1N2846B	1N3350B

For complete specifications, please consult factory.

\*\* Reverse polarity available. Simply change "B" suffix to "RB".

\* Not recommended for new designs.

See mechanical specifications on page 208

(6-December 2004)

**Central**  
Semiconductor Corp.

www.centrasemi.com