



# ES Components

certified Woman Owned!

A Franchised Distributor and certified Semiconductor Manufacturer

CAGE CODE:  
OR708

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Support all LAT requirements including Class H and Class K Element Evaluation  
Custom Packaging in UA/UB SMT

## THE DIODE DIE SUPERSTORE

WBENC certified  
ISO9001:2015  
AS9120:2016  
AS6081:2012  
QSLD / JESD31  
ITAR Registered  
GIDEP Member

Microsemi & SUSSEX Alternatives from **SENSITRON - VISHAY - VPT COMPONENTS**

### Zeners, Small Signal

- 1N746-759
- 1N957-992
- 1N4099-4131
- 1N4614-4627
- 1N4678-4717
- 1N5221-5276
- 1N5518-5546
- 1N5728-5757
- 1N5985-6021
- 1N6309-6345
- BZX84Cxx
- BZX55Cxx
- MZCxxA5, B5

1% and 2% tolerances available as needed

See reverse side for inventory list



**SENSITRON**  
SEMICONDUCTOR



### Temp Comp Zeners

### FET Current Limiters

### Zeners, Power

- 1N4464-4496
- 1N4957-4996

### TVS Diodes

- 1N6105-6137
- 1N6142-6173
- 1N6267-6303A, CA
- 1.5KExxA, CA
- 5KPxxA
- P4KExxA, CA
- P5KExxA, CA
- P6KExxA, CA
- SMAG/JxxA, CA
- SMBG/JxxA, CA
- SMCG/JxxA, CA
- Low Cap Elements

### Ultrafast Rectifiers

- 1N5802, 04, 06
- 1N5807, 09, 11
- MURC105-120
- MURC405-420
- MURC460
- MURC820

### Fast Rectifiers

- 1N4942, 44, 46, 47
- 1N5416 - 5420
- 1N5615, 17, 19, 21

### Standard Rectifiers

- 1N4001 - 4007
- 1N4245 - 4248
- 1N5614, 16, 18, 20

### Schottky Rectifiers

- 1N5711, 1N5712
- 1N5817, 1N5819
- 1N5821 - 5823
- CD2810
- THD6916

### Schottkys, Power

- 1A-150A, 30V-200V
- Optimized for Low  $V_F$  or High Temp (175°C)
- IR Divested Schottky Diodes

### Switching Diodes

- 1N914
- 1N3600
- 1N4148, 4150
- 1N6640, 6642

### Custom Diode Die Solutions Available:

Hex, Square, or Rectangular Die    Reverse Polarity    Gold Top & Back Metal

## High Voltage / High Current Diode Die from SEMIKRON:

### Freewheeling Diode Chips

600V - 1700V / 10A - 200A

- Very Soft Recovery
- Low Forward Voltage
- Die Sizes 80 mils<sup>2</sup> - 435 mils<sup>2</sup>

Ideal for IGBT Applications

### Rectifier Chips

1600V / 25A - 770A

- Anode or Cathode Top
- Solderable or Bondable top
- Die Sizes 138 mils<sup>2</sup> - 882 mils<sup>2</sup>

Ideal for Uncontrolled Rectifier Bridge

### Thyristor Chips

1600V / 60A - 480A

- Corner Gate or Center Gate
- Solderable or Bondable top
- Die Sizes 220 mils<sup>2</sup> - 957 mils<sup>2</sup>

Ideal for Controlled Rectifier Circuits  
Ideal for Solid State Relay Applications

Voltage Vbr @ Izt	BZK84Cxx	BZK55Cxx	1N746A-759A	1N957B-982B	1N4099-4131	1N4614-4627	1N4678-4717	1N5212B-5267B	1N5518B-5546B	1N5728B-5757B	1N5985B-6021B	1N6309-6345
	XX mA	XX mA	1N mA	1N mA	1N UA	1N UA	1N UA	1N mA	1N mA	1N mA	1N mA	1N mA
1.8						1N4614 250	1N4678 50					
2.0					1N4615 250	1N4679 50						
2.2					1N4616 250	1N4680 50						
2.4	2.4 5.0	2.4 5.0			1N4617 250	1N4681 50	1N5221B 20				1N5985B 5.0	1N6309 20
2.7	2.7 5.0	2.7 5.0			1N4618 250	1N4682 50	1N5223B 20				1N5986B 5.0	1N6310 20
3.0	3.0 5.0	3.0 5.0			1N4619 250	1N4683 50	1N5225B 20				1N5987B 5.0	1N6311 20
3.3	3.3 5.0	3.3 5.0	1N746A 20		1N4620 250	1N4684 50	1N5226B 20	1N5518B 20			1N5988B 5.0	1N6312 20
3.6	3.6 5.0	3.6 5.0	1N747A 20		1N4621 250	1N4685 50	1N5227B 20	1N5519B 20			1N5989B 5.0	1N6313 20
3.9	3.9 5.0	3.9 5.0	1N748A 20		1N4622 250	1N4686 50	1N5228B 20	1N5520B 20			1N5990B 5.0	1N6314 20
4.3	4.3 5.0	4.3 5.0	1N749A 20		1N4623 250	1N4687 50	1N5229B 20	1N5521B 20			1N5991B 5.0	1N6315 20
4.7	4.7 5.0	4.7 5.0	1N750A 20		1N4624 250	1N4688 50	1N5230B 20	1N5522B 20		1N5728B 10	1N5992B 5.0	1N6316 20
5.1	5.1 5.0	5.1 5.0	1N751A 20		1N4625 250	1N4689 50	1N5231B 20	1N5523B 5.0		1N5729B 10	1N5993B 5.0	1N6317 20
5.6	5.6 5.0	5.6 5.0	1N752A 20		1N4626 250	1N4690 50	1N5232B 20	1N5524B 3.0		1N5730B 10	1N5994B 5.0	1N6318 20
6.2	6.2 5.0	6.2 5.0	1N753A 20		1N4627 250	1N4691 50	1N5234B 20	1N5525B 1.0		1N5731B 10	1N5995B 5.0	1N6319 20
6.8	6.8 5.0	6.8 5.0	1N754A 20	1N957B 18.5	1N4099 250		1N5235B 20	1N5526B 1.0		1N5732B 10	1N5996B 5.0	1N6320 20
7.5	7.5 5.0	7.5 5.0	1N755A 20	1N958B 16.5	1N4100 250		1N5236B 20	1N5527B 1.0		1N5733B 10	1N5997B 5.0	1N6321 20
8.2	8.2 5.0	8.2 5.0	1N756A 20	1N959B 15	1N4101 250		1N5237B 20	1N5528B 1.0		1N5734B 10	1N5998B 5.0	1N6322 20
8.7	8.7 5.0	8.7 5.0			1N4102 250		1N5238B 20					
9.1	9.1 5.0	9.1 5.0	1N757A 20	1N960B 14	1N4103 250		1N5239B 20	1N5529B 1.0		1N5735B 10	1N5999B 5.0	1N6323 20
10	10 5.0	10 5.0	1N758A 20	1N961B 12.5	1N4104 250		1N5240B 20	1N5530B 1.0		1N5736B 10	1N6000B 5.0	1N6324 20
11	11 5.0	11 5.0		1N962B 11.5	1N4105 250		1N5241B 20	1N5531B 1.0		1N5737B 5.0	1N6001B 5.0	1N6325 20
12	12 5.0	12 5.0	1N759A 20	1N963B 10.5	1N4106 250		1N5242B 20	1N5532B 1.0		1N5738B 5.0	1N6002B 5.0	1N6326 20
13	13 5.0	13 5.0		1N964B 9.5	1N4107 250		1N5243B 9.5	1N5533B 1.0		1N5739B 5.0	1N6003B 5.0	1N6327 9.5
14	14 5.0	14 5.0			1N4108 250		1N5244B 9.0	1N5534B 1.0				
15	15 5.0	15 5.0		1N965B 8.5	1N4109 250		1N5245B 8.5	1N5535B 1.0		1N5740B 5.0	1N6004B 5.0	1N6328 8.5
16	16 5.0	16 5.0		1N966B 7.8	1N4110 250		1N5246B 7.8	1N5536B 1.0		1N5741B 5.0	1N6005B 5.0	1N6329 7.8
17	17 5.0	17 5.0			1N4111 250		1N5247B 7.4	1N5537B 1.0				
18	18 5.0	18 5.0		1N967B 7.0	1N4112 250		1N5248B 7.0	1N5538B 1.0		1N5742B 5.0	1N6006B 5.0	1N6330 7.0
19	19 5.0	19 5.0			1N4113 250		1N5249B 6.6	1N5539B 1.0				
20	20 5.0	20 5.0		1N968B 6.2	1N4114 250		1N5250B 6.2	1N5540B 1.0		1N5743B 5.0	1N6007B 5.0	1N6331 6.2
22	22 5.0	22 5.0		1N969B 5.6	1N4115 250		1N5251B 5.6	1N5541B 1.0		1N5744B 5.0	1N6008B 5.0	1N6332 5.6
24	24 5.0	24 5.0		1N970B 5.2	1N4116 250		1N5252B 5.2	1N5542B 1.0		1N5745B 5.0	1N6009B 5.0	1N6333 5.2
25	25 5.0	25 5.0			1N4117 250		1N5253B 5.0	1N5543B 1.0				
27	27 5.0	27 5.0		1N971B 4.6	1N4118 250		1N5254B 4.6			1N5746B 2.0	1N6010B 5.0	1N6334 4.6
28	28 5.0	28 5.0			1N4119 250		1N5255B 4.5	1N5544B 1.0				
30	30 5.0	30 5.0		1N972B 4.2	1N4120 250		1N5256B 4.2	1N5545B 1.0		1N5747B 2.0	1N6011B 5.0	1N6335 4.2
33	33 5.0	33 5.0		1N973B 3.8	1N4121 250		1N5257B 3.8	1N5546B 1.0		1N5748B 2.0	1N6012B 5.0	1N6336 3.8
36	36 5.0	36 5.0		1N974B 3.4	1N4122 250		1N5258B 3.4			1N5749B 2.0	1N6013B 5.0	1N6337 3.4
39	39 2.5	39 2.5		1N975B 3.2	1N4123 250		1N5259B 3.2			1N5750B 2.0	1N6014B 2.0	1N6338 3.2
43	43 2.5	43 2.5		1N976B 3.0	1N4124 250		1N5260B 3.0			1N5751B 2.0	1N6015B 2.0	1N6339 3.0
47	47 2.5	47 2.5		1N977B 2.7	1N4125 250		1N5261B 2.7			1N5752B 2.0	1N6016B 2.0	1N6340 2.7
51	51 2.5	51 2.5		1N978B 2.5	1N4126 250		1N5262B 2.5			1N5753B 2.0	1N6017B 2.0	1N6341 2.5
56	56 2.5	56 2.5		1N979B 2.2	1N4127 250		1N5263B 2.2			1N5754B 2.0	1N6018B 2.0	1N6342 2.2
60	60 2.5	60 2.5			1N4128 250		1N5264B 2.1					
62	62 2.5	62 2.5		1N980B 2.0	1N4129 250		1N5265B 2.0			1N5755B 2.0	1N6019B 2.0	1N6343 2.0
68	68 2.5	68 2.5		1N981B 1.8	1N4130 250		1N5266B 1.8			1N5756B 2.0	1N6020B 2.0	1N6344 1.8
75	75 2.5	75 2.5		1N982B 1.7	1N4131 250		1N5267B 1.7			1N5757B 2.0	1N6021B 2.0	1N6345 1.7

Standard tolerance = 5%  
1% and 2% tolerance  
available, consult factory

Yellow Field =  
in stock at ESC