



Our Super SMT Zener Diode Kits™ contain assortments of various types of SMT Zener diodes:

Part Number	Manufacturer	Manufacturer Series	Maximum Continuous Power	Maximum Peak Power Power xxuS	Package	Link
ZDR35/3/2W104V20/50D	Fairchild	MM3Z2V4B	200mW		SOD-323F	<a href="#">Datasheet</a>
	NXP	BZX384-C2V4	300mW		SOD-523	<a href="#">Datasheet</a>
	DIODES	BZX84C2V4	350mW		SOT-23	<a href="#">Datasheet</a>
ZD3/1/R5W95V30/50D	DIODES	BZT52C2V0	500mW		SOD-123	<a href="#">Datasheet</a>
	DIODES	SMAZ5V1	1W		SMA	<a href="#">Datasheet</a>
	ON	1SMB5913BT3	3W		SMB	<a href="#">Datasheet</a>
TVS600W108V20/50D	Littelfuse	SMBJ5.0A		600W	SMB	<a href="#">Datasheet</a>
	Littelfuse	SMBJ5.0CA		600W	SMB	<a href="#">Datasheet</a>
TVS1500W108V20/50D	Littelfuse	SMCJ5.0A		1500W	SMC	<a href="#">Datasheet</a>
	Littelfuse	SMCJ5.0CA		1500W	SMC	<a href="#">Datasheet</a>



All the Zener diodes in these kits are offered in the convenient and space saving surface mount plastic packages. They are designed to provide voltage regulations with minimum space requirement and low cost. In the tables below, the Zener diodes are categorized by their power ratings. All the values are detailed in the tables below. Abbreviations used are: ZD stands for Zener diodes; R stands for radix point; and D is short for differential. The four kits currently being offered include 95, 104, or 108 distinct diode values within their own defined power range. The Zener voltage of the **ZDR35/3/2W104V20/50D Series** ranges from 2.4 V to 75 V. The Zener voltage of the **ZD3/1/R5W95V30/50D Series** is from 2 V to 200 V. **ZDR35/3/2W104V20/50D Series** diodes include: 200 mW, 300 mW and 350 mW. **ZD3/1/R5W95V30/50D Series** diodes include: 500 mW, 1W and 3W values. Only brands with excellent performance were carefully selected for inclusion in the kits. For specific details, please consult the datasheets.

Part No.	Description	Price
ZDR35/3/2W104V20/50D	104 values below 350 mW power Zener diodes size, 50 pcs/value	\$490
ZD3/1/R5W95V30/50D	95 values above 500 mW power Zener diodes size, 30 pcs/value	\$790
TVS600W108V20/50D	108 values 600 W power TVS size, 20 pcs/value	\$590
TVS1500W108V20/50D	108 values 1500 W power TVS size, 20 pcs/value	\$990



TVS refers to Transient Voltage Suppression diodes. The series of TVS diodes are designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.



TVS kits are available, **TVS600W108V20/50D** and **TVS1500W108V20/50D**, and both provide diodes supporting a Reverse Stand off Voltage range from 5.0 V to 440 V. Both 600 W TVS and 1500 W TVS diodes are offered. They contain the unidirectional and the bidirectional varieties with the suffix **A** designating one-way, and suffix **CA** meaning two-way.

The amount of Zener diodes included per value is different for each kit. All Zener diodes are pre-sorted and stored separately in our unique sturdy snap-locking case.

**Super SMT Component Enclosure™** has **128 individually lidded compartments**, 0.87" (L) x 0.59" (W) x 0.63" (D) or 22 x 15 x 16 (mm), and each Zener diode value is printed clearly on each lid. The enclosure covers the same surface area as a letter size paper sheet and measures only:

**11" (L) x 8.5" (W) x 1.75" (H) or 280 x 216 x 45 (mm).**



Usage of the custom enclosure is easy and convenient so that your time for obtaining a particular Zener diode is minimized to seconds.

These diode kits can easily be placed on a work bench, put on a shelf, or transported to other sites, and are the best choice for building prototypes, doing experiments on new circuits, or reworking printed circuit boards.



**For more detail information:**

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**E-mail us: [staff@smtzone.com](mailto:staff@smtzone.com)**



ZDR35/3/2W104V20/50D (Voltage unit: V, Power unit: mW)

Vz	MM3Z2V4B (Fairchild)			BZX384-C2V4 (NXP)			BZX84C2V4 (DIODES)		
	Power	Package	Type	Power	Package	Type	Power	Package	Type
2.4	200	SOD-323F	MM3Z2V4B	300	SOD-523	BZX384-C2V4	350	SOT-23	BZX84C2V4
2.7	200	SOD-323F	MM3Z2V7B	300	SOD-523	BZX384-C2V7	350	SOT-23	BZX84C2V7
3.0	200	SOD-323F	MM3Z3V0B	300	SOD-523	BZX384-C3V0	350	SOT-23	BZX84C3V0
3.3	200	SOD-323F	MM3Z3V3B	300	SOD-523	BZX384-C3V3	350	SOT-23	BZX84C3V3
3.6	200	SOD-323F	MM3Z3V6B	300	SOD-523	BZX384-C3V6	350	SOT-23	BZX84C3V6
3.9	200	SOD-323F	MM3Z3V9B	300	SOD-523	BZX384-C3V9	350	SOT-23	BZX84C3V9
4.3	200	SOD-323F	MM3Z4V3B	300	SOD-523	BZX384-C4V3	350	SOT-23	BZX84C4V3
4.7	200	SOD-323F	MM3Z4V7B	300	SOD-523	BZX384-C4V7	350	SOT-23	BZX84C4V7
5.1	200	SOD-323F	MM3Z5V1B	300	SOD-523	BZX384-C5V1	350	SOT-23	BZX84C5V1
5.6	200	SOD-323F	MM3Z5V6B	300	SOD-523	BZX384-C5V6	350	SOT-23	BZX84C5V6
6.2	200	SOD-323F	MM3Z6V2B	300	SOD-523	BZX384-C6V2	350	SOT-23	BZX84C6V2
6.8	200	SOD-323F	MM3Z6V8B	300	SOD-523	BZX384-C6V8	350	SOT-23	BZX84C6V8
7.5	200	SOD-323F	MM3Z7V5B	300	SOD-523	BZX384-C7V5	350	SOT-23	BZX84C7V5
8.2	200	SOD-323F	MM3Z8V2B	300	SOD-523	BZX384-C8V2	350	SOT-23	BZX84C8V2
9.1	200	SOD-323F	MM3Z9V1B	300	SOD-523	BZX384-C9V1	350	SOT-23	BZX84C9V1
10	200	SOD-323F	MM3Z10VB	300	SOD-523	BZX384-C10	350	SOT-23	BZX84C10
11	200	SOD-323F	MM3Z11VB	300	SOD-523	BZX384-C11	350	SOT-23	BZX84C11
12	200	SOD-323F	MM3Z12VB	300	SOD-523	BZX384-C12	350	SOT-23	BZX84C12
13	200	SOD-323F	MM3Z13VB	300	SOD-523	BZX384-C13	350	SOT-23	BZX84C13
15	200	SOD-323F	MM3Z15VB	300	SOD-523	BZX384-C15	350	SOT-23	BZX84C15
16	200	SOD-323F	MM3Z16VB	300	SOD-523	BZX384-C16	350	SOT-23	BZX84C16
18	200	SOD-323F	MM3Z18VB	300	SOD-523	BZX384-C18	350	SOT-23	BZX84C18
20	200	SOD-323F	MM3Z20VB	300	SOD-523	BZX384-C20	350	SOT-23	BZX84C20
22	200	SOD-323F	MM3Z22VB	300	SOD-523	BZX384-C22	350	SOT-23	BZX84C22
24	200	SOD-323F	MM3Z24VB	300	SOD-523	BZX384-C24	350	SOT-23	BZX84C24
27	200	SOD-323F	MM3Z27VB	300	SOD-523	BZX384-C27	350	SOT-23	BZX84C27
30	200	SOD-323F	MM3Z30VB	300	SOD-523	BZX384-C30	350	SOT-23	BZX84C30
33	200	SOD-323F	MM3Z33VB	300	SOD-523	BZX384-C33	350	SOT-23	BZX84C33
36	200	SOD-323F	MM3Z36VB	300	SOD-523	BZX384-C36	350	SOT-23	BZX84C36
39	200	SOD-323F	MM3Z39VB	300	SOD-523	BZX384-C39	350	SOT-23	BZX84C39
43	200	SOD-323F	MM3Z43VB	300	SOD-523	BZX384-C43	350	SOT-23	
47	200	SOD-323F	MM3Z47VB	300	SOD-523	BZX384-C47	350	SOT-23	
51	200	SOD-323F	MM3Z51VB	300	SOD-523	BZX384-C51	350	SOT-23	
56	200	SOD-323F	MM3Z56VB	300	SOD-523	BZX384-C56	350	SOT-23	
62	200	SOD-323F	MM3Z62VB	300	SOD-523	BZX384-C62	350	SOT-23	
68	200	SOD-323F	MM3Z68VB	300	SOD-523	BZX384-C68	350	SOT-23	
75	200	SOD-323F	MM3Z75VB	300	SOD-523	BZX384-C75	350	SOT-23	



ZD3/1/R5W95V30/50D (Voltage unit: V, Power unit: W)

Vz	BZT52C2V0 (DIODES)			SMAZ5V1 (DIODES)			1SMB5913BT3 (ON)		
	Power	Package	Type	Power	Package	Type	Power	Package	Type
2	0.5	SOD-123	BZT52C2V0						
2.4	0.5	SOD-123	BZT52C2V4						
2.7	0.5	SOD-123	BZT52C2V7						
3	0.5	SOD-123	BZT52C3V0						
3.3	0.5	SOD-123	BZT52C3V3				3	SMB	1SMB5913BT3
3.6	0.5	SOD-123	BZT52C3V6				3	SMB	1SMB5914BT3
3.9	0.5	SOD-123	BZT52C3V9				3	SMB	1SMB5915BT3
4.3	0.5	SOD-123	BZT52C4V3				3	SMB	1SMB5916BT3
4.7	0.5	SOD-123	BZT52C4V7				3	SMB	1SMB5917BT3
5.1	0.5	SOD-123	BZT52C5V1	1	SMA	SMAZ5V1	3	SMB	1SMB5918BT3
5.6	0.5	SOD-123	BZT52C5V6	1	SMA	SMAZ5V6	3	SMB	1SMB5919BT3
6.2	0.5	SOD-123	BZT52C6V2	1	SMA	SMAZ6V2	3	SMB	1SMB5920BT3
6.8	0.5	SOD-123	BZT52C6V8	1	SMA	SMAZ6V8	3	SMB	1SMB5921BT3
7.5	0.5	SOD-123	BZT52C7V5	1	SMA	SMAZ7V5	3	SMB	1SMB5922BT3
8.2	0.5	SOD-123	BZT52C8V2	1	SMA	SMAZ8V2	3	SMB	1SMB5923BT3
9.1	0.5	SOD-123	BZT52C9V1	1	SMA	SMAZ9V1	3	SMB	1SMB5924BT3
10	0.5	SOD-123	BZT52C10	1	SMA	SMAZ10	3	SMB	1SMB5925BT3
11	0.5	SOD-123	BZT52C11	1			3	SMB	1SMB5926BT3
12	0.5	SOD-123	BZT52C12	1	SMA	SMAZ12	3	SMB	1SMB5927BT3
13	0.5	SOD-123	BZT52C13				3	SMB	1SMB5928BT3
15	0.5	SOD-123	BZT52C15	1	SMA	SMAZ15	3	SMB	1SMB5929BT3
16	0.5	SOD-123	BZT52C16	1	SMA	SMAZ16	3	SMB	1SMB5930BT3
18	0.5	SOD-123	BZT52C18	1	SMA	SMAZ18	3	SMB	1SMB5931BT3
20	0.5	SOD-123	BZT52C20	1	SMA	SMAZ20	3	SMB	1SMB5932BT3
22	0.5	SOD-123	BZT52C22	1	SMA	SMAZ22	3	SMB	1SMB5933BT3
24	0.5	SOD-123	BZT52C24	1	SMA	SMAZ24	3	SMB	1SMB5934BT3
27	0.5	SOD-123	BZT52C27	1	SMA	SMAZ27	3	SMB	1SMB5935BT3
30	0.5	SOD-123	BZT52C30	1	SMA	SMAZ30	3	SMB	1SMB5936BT3
33	0.5	SOD-123	BZT52C33	1	SMA	SMAZ33	3	SMB	1SMB5937BT3
36	0.5	SOD-123	BZT52C36	1	SMA	SMAZ36	3	SMB	1SMB5938BT3
39	0.5	SOD-123	BZT52C39	1	SMA	SMAZ39	3	SMB	1SMB5939BT3
43							3	SMB	1SMB5940BT3
47							3	SMB	1SMB5941BT3
51							3	SMB	1SMB5942BT3
56							3	SMB	1SMB5943BT3
62							3	SMB	1SMB5944BT3
68							3	SMB	1SMB5945BT3
75							3	SMB	1SMB5946BT3
82							3	SMB	1SMB5947BT3
91							3	SMB	1SMB5948BT3
100							3	SMB	1SMB5949BT3
110							3	SMB	1SMB5950BT3
120							3	SMB	1SMB5951BT3
130							3	SMB	1SMB5952BT3
150							3	SMB	1SMB5953BT3
160							3	SMB	1SMB5954BT3
180							3	SMB	1SMB5955BT3
200							3	SMB	1SMB5956BT3



TVS600W108V20/50D (Voltage unit: V, Power unit: W)

V <sub>R</sub>	SMBJ (Littelfuse)					
	Power	Package	Type	Power	Package	Type
5.0	600	SMB	SMBJ5.0A	600	SMB	SMBJ5.0CA
6.0	600	SMB	SMBJ6.0A	600	SMB	SMBJ6.0CA
6.5	600	SMB	SMBJ6.5A	600	SMB	SMBJ6.5CA
7.0	600	SMB	SMBJ7.0A	600	SMB	SMBJ7.0CA
7.5	600	SMB	SMBJ7.5A	600	SMB	SMBJ7.5CA
8.0	600	SMB	SMBJ8.0A	600	SMB	SMBJ8.0CA
8.5	600	SMB	SMBJ8.5A	600	SMB	SMBJ8.5CA
9.0	600	SMB	SMBJ9.0A	600	SMB	SMBJ9.0CA
10	600	SMB	SMBJ10A	600	SMB	SMBJ10CA
11	600	SMB	SMBJ11A	600	SMB	SMBJ11CA
12	600	SMB	SMBJ12A	600	SMB	SMBJ12CA
13	600	SMB	SMBJ13A	600	SMB	SMBJ13CA
14	600	SMB	SMBJ14A	600	SMB	SMBJ14CA
15	600	SMB	SMBJ15A	600	SMB	SMBJ15CA
16	600	SMB	SMBJ16A	600	SMB	SMBJ16CA
17	600	SMB	SMBJ17A	600	SMB	SMBJ17CA
18	600	SMB	SMBJ18A	600	SMB	SMBJ18CA
20	600	SMB	SMBJ20A	600	SMB	SMBJ20CA
22	600	SMB	SMBJ22A	600	SMB	SMBJ22CA
24	600	SMB	SMBJ24A	600	SMB	SMBJ24CA
26	600	SMB	SMBJ26A	600	SMB	SMBJ26CA
28	600	SMB	SMBJ28A	600	SMB	SMBJ28CA
30	600	SMB	SMBJ30A	600	SMB	SMBJ30CA
33	600	SMB	SMBJ33A	600	SMB	SMBJ33CA
36	600	SMB	SMBJ36A	600	SMB	SMBJ36CA
40	600	SMB	SMBJ40A	600	SMB	SMBJ40CA
43	600	SMB	SMBJ43A	600	SMB	SMBJ43CA
45	600	SMB	SMBJ45A	600	SMB	SMBJ45CA
48	600	SMB	SMBJ48A	600	SMB	SMBJ48CA
51	600	SMB	SMBJ51A	600	SMB	SMBJ51CA
54	600	SMB	SMBJ54A	600	SMB	SMBJ54CA
58	600	SMB	SMBJ58A	600	SMB	SMBJ58CA
60	600	SMB	SMBJ60A	600	SMB	SMBJ60CA
64	600	SMB	SMBJ64A	600	SMB	SMBJ64CA
70	600	SMB	SMBJ70A	600	SMB	SMBJ70CA
75	600	SMB	SMBJ75A	600	SMB	SMBJ75CA
78	600	SMB	SMBJ78A	600	SMB	SMBJ78CA
85	600	SMB	SMBJ85A	600	SMB	SMBJ85CA
90	600	SMB	SMBJ90A	600	SMB	SMBJ90CA
100	600	SMB	SMBJ100A	600	SMB	SMBJ100CA
110	600	SMB	SMBJ110A	600	SMB	SMBJ110CA
120	600	SMB	SMBJ120A	600	SMB	SMBJ120CA
130	600	SMB	SMBJ130A	600	SMB	SMBJ130CA
150	600	SMB	SMBJ150A	600	SMB	SMBJ150CA
160	600	SMB	SMBJ160A	600	SMB	SMBJ160CA
170	600	SMB	SMBJ170A	600	SMB	SMBJ170CA
180	600	SMB	SMBJ180A	600	SMB	SMBJ180CA
200	600	SMB	SMBJ200A	600	SMB	SMBJ200CA
220	600	SMB	SMBJ220A	600	SMB	SMBJ220CA
250	600	SMB	SMBJ250A	600	SMB	SMBJ250CA
300	600	SMB	SMBJ300A	600	SMB	SMBJ300CA
350	600	SMB	SMBJ350A	600	SMB	SMBJ350CA
400	600	SMB	SMBJ400A	600	SMB	SMBJ400CA
440	600	SMB	SMBJ440A	600	SMB	SMBJ440CA



TVS1500W108V20/50D (Voltage unit: V, Power unit: W)

SMCJ (Littelfuse)						
V <sub>R</sub>	Power	Package	Type	Power	Package	Type
5.0	1500	SMC	SMCJ5.0A	1500	SMC	SMCJ5.0CA
6.0	1500	SMC	SMCJ6.0A	1500	SMC	SMCJ6.0CA
6.5	1500	SMC	SMCJ6.5A	1500	SMC	SMCJ6.5CA
7.0	1500	SMC	SMCJ7.0A	1500	SMC	SMCJ7.0CA
7.5	1500	SMC	SMCJ7.5A	1500	SMC	SMCJ7.5CA
8.0	1500	SMC	SMCJ8.0A	1500	SMC	SMCJ8.0CA
8.5	1500	SMC	SMCJ8.5A	1500	SMC	SMCJ8.5CA
9.0	1500	SMC	SMCJ9.0A	1500	SMC	SMCJ9.0CA
10	1500	SMC	SMCJ10A	1500	SMC	SMCJ10CA
11	1500	SMC	SMCJ11A	1500	SMC	SMCJ11CA
12	1500	SMC	SMCJ12A	1500	SMC	SMCJ12CA
13	1500	SMC	SMCJ13A	1500	SMC	SMCJ13CA
14	1500	SMC	SMCJ14A	1500	SMC	SMCJ14CA
15	1500	SMC	SMCJ15A	1500	SMC	SMCJ15CA
16	1500	SMC	SMCJ16A	1500	SMC	SMCJ16CA
17	1500	SMC	SMCJ17A	1500	SMC	SMCJ17CA
18	1500	SMC	SMCJ18A	1500	SMC	SMCJ18CA
20	1500	SMC	SMCJ20A	1500	SMC	SMCJ20CA
22	1500	SMC	SMCJ22A	1500	SMC	SMCJ22CA
24	1500	SMC	SMCJ24A	1500	SMC	SMCJ24CA
26	1500	SMC	SMCJ26A	1500	SMC	SMCJ26CA
28	1500	SMC	SMCJ28A	1500	SMC	SMCJ28CA
30	1500	SMC	SMCJ30A	1500	SMC	SMCJ30CA
33	1500	SMC	SMCJ33A	1500	SMC	SMCJ33CA
36	1500	SMC	SMCJ36A	1500	SMC	SMCJ36CA
40	1500	SMC	SMCJ40A	1500	SMC	SMCJ40CA
43	1500	SMC	SMCJ43A	1500	SMC	SMCJ43CA
45	1500	SMC	SMCJ45A	1500	SMC	SMCJ45CA
48	1500	SMC	SMCJ48A	1500	SMC	SMCJ48CA
51	1500	SMC	SMCJ51A	1500	SMC	SMCJ51CA
54	1500	SMC	SMCJ54A	1500	SMC	SMCJ54CA
58	1500	SMC	SMCJ58A	1500	SMC	SMCJ58CA
60	1500	SMC	SMCJ60A	1500	SMC	SMCJ60CA
64	1500	SMC	SMCJ64A	1500	SMC	SMCJ64CA
70	1500	SMC	SMCJ70A	1500	SMC	SMCJ70CA
75	1500	SMC	SMCJ75A	1500	SMC	SMCJ75CA
78	1500	SMC	SMCJ78A	1500	SMC	SMCJ78CA
85	1500	SMC	SMCJ85A	1500	SMC	SMCJ85CA
90	1500	SMC	SMCJ90A	1500	SMC	SMCJ90CA
100	1500	SMC	SMCJ100A	1500	SMC	SMCJ100CA
110	1500	SMC	SMCJ110A	1500	SMC	SMCJ110CA
120	1500	SMC	SMCJ120A	1500	SMC	SMCJ120CA
130	1500	SMC	SMCJ130A	1500	SMC	SMCJ130CA
150	1500	SMC	SMCJ150A	1500	SMC	SMCJ150CA
160	1500	SMC	SMCJ160A	1500	SMC	SMCJ160CA
170	1500	SMC	SMCJ170A	1500	SMC	SMCJ170CA
180	1500	SMC	SMCJ180A	1500	SMC	SMCJ180CA
200	1500	SMC	SMCJ200A	1500	SMC	SMCJ200CA
220	1500	SMC	SMCJ220A	1500	SMC	SMCJ220CA
250	1500	SMC	SMCJ250A	1500	SMC	SMCJ250CA
300	1500	SMC	SMCJ300A	1500	SMC	SMCJ300CA
350	1500	SMC	SMCJ350A	1500	SMC	SMCJ350CA
400	1500	SMC	SMCJ400A	1500	SMC	SMCJ400CA
440	1500	SMC	SMCJ440A	1500	SMC	SMCJ440CA



**NOTICE**

1. ATI warrants performance of its products for one year to the specifications applicable at the time of sale, except for those being damaged by excessive abuse. Products found not meeting the specifications within one year from the date of sale can be exchanged free of charge.
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