

Zener Diodes - continued

1N5300B Series - continued

Zener Voltage, V	Mfrs. List No.	Order Code	ST	Zener Voltage, V	Mfrs. List No.	Order Code	ST
5.6	1N5339B	933-132	—	27	1N5361BG	955-8195	—
5.6	1N5339BG	955-7962	—	28	1N5362B	370-757	—
6.0	1N5340B	933-144	—	30	1N5363B	933-375	—
6.0	1N5340BG	955-7970	—	30	1N5363BG	955-8209	—
6.2	1N5341B	933-156	—	33	1N5364B	933-387	—
6.2	1N5341BG	955-7989	—	33	1N5364BG	955-8217	—
6.8	1N5342B	933-168	—	36	1N5365B	933-399	—
6.8	1N5342BG	955-7997	—	36	1N5365BG	955-8225	—
7.5	1N5343B	933-170	—	39	1N5366B	933-405	—
7.5	1N5343BG	955-8012	—	39	1N5366BG	955-8233	—
8.2	1N5344B	933-181	—	43	1N5367B	933-417	—
8.2	1N5344BG	955-8020	—	43	1N5367BG	955-8241	—
8.7	1N5345B	933-193	—	47	1N5368B	933-429	—
8.7	1N5345BG	955-8039	—	47	1N5368BG	955-8250	—
9.1	1N5346B	933-200	—	51	1N5369B	933-430	—
9.1	1N5346BG	955-8047	—	51	1N5369BG	955-8268	—
10	1N5347B	933-211	—	56	1N5370B	933-442	—
10	1N5347BG	955-8055	—	56	1N5370BG	955-8276	—
11	1N5348B	933-223	—	60	1N5371B	933-454	—
11	1N5348BG	955-8063	—	60	1N5371BG	955-8284	—
12	1N5349B	933-235	—	62	1N5372B	933-466	—
12	1N5349BG	955-8071	—	62	1N5372BG	955-8292	—
13	1N5350B	933-247	—	68	1N5373B	933-478	—
13	1N5350BG	955-8080	—	68	1N5373BG	955-8306	—
14	1N5351B	933-259	—	75	1N5374B	933-480	—
14	1N5351BG	955-8098	—	75	1N5374BG	955-8314	—
15	1N5352B	933-260	—	82	1N5375B	933-491	370-861
15	1N5352BG	955-8101	—	82	1N5375BG	955-8322	—
16	1N5353B	933-272	—	91	1N5377B	933-508	—
16	1N5353BG	955-8110	—	91	1N5377BG	955-8330	—
17	1N5354B	933-284	—	100	1N5378B	933-510	—
17	1N5354BG	955-8128	—	100	1N5378BG	955-8349	—
18	1N5355B	933-296	—	120	1N5380B	933-521	—
18	1N5355BG	955-8136	—	120	1N5380BG	955-8357	—
19	1N5356B	933-302	—	130	1N5381B	933-533	—
19	1N5356BG	955-8144	—	130	1N5381BG	955-8365	—
20	1N5357B	933-314	—	150	1N5383B	933-545	370-927
20	1N5357BG	955-8152	—	150	1N5383BG	955-8373	—
22	1N5358B	933-326	—	160	1N5384B	933-557	—
22	1N5358BG	955-8160	—	160	1N5384BG	955-8381	—
24	1N5359B	933-338	—	180	1N5386B	933-569	—
24	1N5359BG	955-8179	—	180	1N5386BG	955-8390	—
25	1N5360B	933-340	—	200	1N5388B	933-570	—
25	1N5360BG	955-8187	—	200	1N5388BG	955-8403	—
27	1N5361B	933-351	—				

211326

Price Each

Order Code	1+	25+	100+	250+	+	
1N5300B Series (ON)	All Values	30.00	23.00	16.00	11.00	--
1N5300B Series (ST)	All Values	39.00	31.00	26.00	22.00	--

BZY91C and BZY93C Series, 5% Tolerance



Series	Polarity	Package	P _{tot} (W)
BZY93...	Stud Cathode	DO-4 10/32 UNF 2A	20
BZY93...R	Stud Anode	DO-4 10/32 UNF 2A	20
BZY91...	Stud Cathode	DO-5 28 UNF 2A	75
BZY91...R	Stud Anode	DO-5 28 UNF 2A	75

Suitable for transient suppression in addition to voltage regulation.

Suppressors are normally chosen with a stand-off voltage equal to that of the steady state voltage of the line on which they will be used. The stand-off voltage is the maximum reverse voltage that can be applied without causing significant reverse dissipation.

In practice, the stand-off voltage of a device is 'three steps down' in the series from the zener voltage given by the suffix. For example, a BZY93C15 would be used as a voltage regulator on a 15V line and as a transient suppressor on a 11V line.

Zener Voltage, V	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
7.5	BZY93-C7V5	370-277	BZY93-C7V5R	427-550	—	—
8.2	BZY93-C8V2	370-289	—	—	—	—
9.1	BZY93-C9V1	370-290	—	—	—	—
10	BZY93-C10	370-307	—	—	BZY91-C10	370-125
—	—	—	—	—	BZY91-C10	119-2116●
11	BZY93-C11	370-319	—	—	—	—
12	BZY93-C12	370-320	BZY93-C12R	427-469	BZY91-C12	370-137
—	—	—	—	—	BZY91-C12	119-2117●
13	BZY93-C13	370-332	BZY93-C13R	427-470	—	—
15	BZY93-C15	370-344	BZY93-C15R	427-482	BZY91-C15	370-149
15	BZY93-C15	119-2124●	—	—	—	—
15	—	—	—	—	BZY91-C15R	427-457
16	BZY93-C16	370-356	—	—	—	—
18	BZY93-C18	370-368	BZY93-C18R	427-494	BZY91-C18	370-150
—	—	—	—	—	BZY91-C18	119-2118●
20	BZY93-C20	370-370	BZY93-C20R	427-500	—	—
22	BZY93-C22	370-381	—	—	—	—
22	BZY93-C22	119-2125●	—	—	—	—
24	BZY93-C24	370-393	BZY93-C24R	427-512	BZY91-C24	370-162
—	—	—	—	—	BZY91-C24	119-2119●
27	BZY93-C27	370-400	BZY93-C27R	427-524	—	—
30	BZY93-C30	370-411	—	—	BZY91-C30	370-186
33	BZY93-C33	370-423	—	—	BZY91-C33	370-198
36	BZY93-C36	370-435	—	—	BZY91-C36	370-204
—	—	—	—	—	BZY91-C47	119-2121●
39	BZY93-C39	370-447	BZY93-C39R	427-548	—	—
43	BZY93-C43	370-459	—	—	—	—

Zener	Mfrs.	Order Code	Mfrs.	Mfrs.	Order Code
47	—	—	—	BZY91-C47	370-228
47	—	—	—	BZY91-C47	119-2121●
51	BZY93-C51	370-472	—	BZY91-C51	370-230
56	BZY93-C56	370-484	—	—	—
68	BZY93-C68	370-502	—	BZY91-C68	370-253
68	—	—	—	BZY91-C68	119-2122●
75	BZY93-C75	370-514	—	BZY91-C75	370-265
75	—	—	—	BZY91-C75	119-2123●

211376

Price Each

MIXED QUANTITY PRICING

Series	Order Code	1+	25+	100+
BZY91...	All Values	1,479.00	1,183.00	976.00
BZY93...	All Values	577.00	461.00	428.00
BZY93...R	All Values	554.00	443.00	366.00
RoHS Alternatives				
BZY91...		1,479.00	1,183.00	976.00
BZY93...		532.00	426.00	351.00

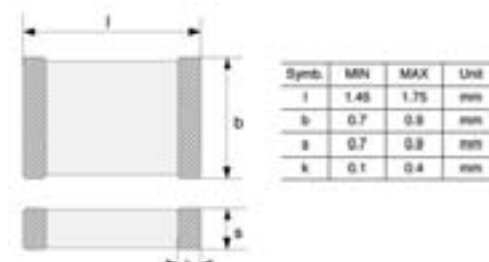
Protection Diodes

CeraDiodes



H=0.9mm, W=1.75mm, D=0.9mm

- Multilayer ceramic oxide construction
- 0603 package, one third of the size of conventional TVS diodes
- Very stable capacitance, largely unaffected by temperature fluctuations and DC bias voltages
- No derating up to maximum operating temperature (85°C)
- ESD Protection to IEC 61000-4-2
- Bidirectional operation



V _{dc} Max DC Working Voltage	V _{br} Breakdown Voltage	Clamping Voltage	Max. Reverse Leakage Current	Capacitance	Mfrs. List No.
5.6	6.4	19	10	470	CDS3C05GTA
9	10	30	10	220	CDS3C09GTA
16	22	42	10	160	CDS3C15GTA
22	25	50	10	56	CDS3C20GTA
High Speed CeraDiode					
16	150*	290	10	3	CDS3C16GTH
30	50	120	10	10	CDS3C30GTH

342647

Price Each

Mfrs. List No.	Order Code	1+	5+	10+	25+	+
CDS3C05GTA	SMD 505-5644	22.00	20.00	17.00	14.00	--
CDS3C09GTA	SMD 530-2382●	22.00	20.00	17.00	14.00	--
CDS3C15GTA	SMD 530-2390●	22.00	20.00	17.00	14.00	--
CDS3C20GTA	SMD 530-2404	22.00	20.00	17.00	14.00	--
CDS3C16GTH	SMD 530-2412●	22.00	20.00	17.00	14.00	--
CDS3C30GTH	SMD 530-2420●	22.00	20.00	17.00	14.00	--

PESD Protection Diodes



SOT-665

SOT-89

SOD323

Lines of Protection	Standoff Voltage	V _{br} min.	Diode Capacitance @ Vr max.	V _{clamp} max.	Package	Device Marking	Mfrs. List No.	
1	—	3.3	5.2	300	330	5.6	SOD-523 N1	PESD3V3S1UB
1	—	5	6.4	200	260	6.8	SOD-523 N2	PESD5V0S1UB
1	—	5	7	65	500	7.6	SOD-323 AC	PESD5V0L1BA
—	1	3.3	5.8	95	500	6.4	SOD-323 AB	PESD3V3L1BA
—	1	5	5.5	45	130	14	SOD-323 E6	PESD5V0S1BA

Prices are in Thai Baht and exclude 7% VAT. Due to the volatile nature of certain products, prices are subject to change without notice.