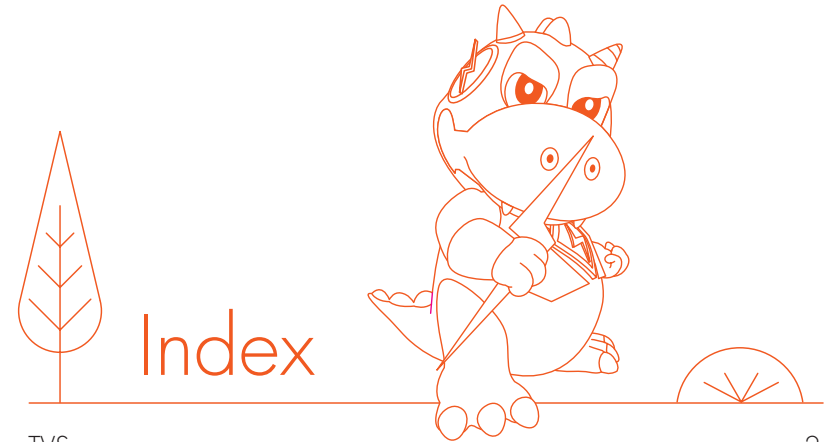




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**TVS**

	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
1	AZ1013-02N	SOT143-4L	2.8	4.5	3.3	2	4	3.3
2	AZ1013-04C	SC70-5L	1.8	4.5	3.3	4	5	3.3
3	AZ1013-04F	DFN2510P10E	2	4.5	3.3	4	10	3.3
4	AZ1015-02N	SOT143-4L	2	6.1	5	2	4	5
5	AZ1015-02S	SOT23-5L	2	6.1	5	2	5	5
6	AZ101S-02F	DFN1210P6X	0.18	4.5	1.5	2	6	1.5
7	AZ1023-02F	DFN1210P6X	0.18	4.5	3.3	2	6	3.3
8	AZ1023-04F	DFN2510P10E	0.18	4.5	3.3	4	10	3.3
9	AZ1043-04F	DFN2510P10E	0.45	4.5	3.3	4	10	3.3
10	AZ1043-08F	DFN3810P9E	0.5	4.5	3.3	8	9	3.3
11	AZ1045-02F	DFN1210P6X	0.5	6	5	2	6	5
12	AZ1045-04F	DFN2510P10E	0.5	6	5	4	10	5
13	AZ1045-04QU	MSOP-10L	0.55	6	5	4	10	5
14	AZ1045-04SU	SOT23-6L	0.55	6	5	4	6	5
15	AZ1045-08F	DFN3810P9E	0.5	6	5	8	9	5
16	AZ1065-06F	DFN4120P10E	0.27	6	5	6	10	5
17	AZ1065-06Q	MSOP-8L	0.27	6	5	6	8	5
18	AZ1083-08F	DFN5515P18E	0.1	4.5	3.3	8	18	3.3
19	AZ108S-06F	DFN3310P10E	0.35	4.5	1.5	6	10	1.5
20	AZ111S-08F	DFN3810P9E	0.1	4.5	1.5	8	9	1.5
21	AZ113S-04S	SOT23-6L	1.7	6	5	4	6	5
22	AZ1143-04F	DFN2510P10E	0.45	4.5	3.3	4	10	3.3
23	AZ1165-06Q	MSOP-8L	0.45	6	5	6	8	5
24	AZ1213-04F	DFN2510P10E	2.1	5	3.3	4	10	3.3
25	AZ123S-04S	SOT23-6L	1.7	6	5	4	6	5
26	AZ1243-04F	DFN2510P10E	0.5	4.5	3.3	4	10	3.3
27	AZ128S-08F	DFN5515P14E	0.5	4.5	1.5	8	14	1.5
28	AZ134S-04F	DFN2510P8E	0.35	6	5	4	8	5
29	AZ136S-06F	DFN4120P10E	0.35	4.5	2.2	6	10	3.3
30	AZ1513-04S	SOT23-6L	2	4.5	3.3	4	6	3.3
31	AZ151S-04S	SOT23-6L	1.8	6	5	4	6	5
32	AZ1603-01L	SOD-323	2	4	3.3	1	2	3.3

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
9	6.5	30	30	80	12	2.92	1.30	1.06
7.8	5.7	30	30	80	15	2.05	1.25	1.00
7.8	5.2	30	25	80	15	2.50	1.00	0.50
13.5	8	24	16	40	13	2.92	1.30	1.06
13	7.8	24	16	40	13	2.92	1.60	1.25
12	N/A	15	8	N/A	2.5	1.20	1.00	0.45
13	N/A	15	8	20	3	1.20	1.00	0.45
11	N/A	15	8	20	3	2.50	1.00	0.50
10.5	N/A	15	11	N/A	4	2.50	1.00	0.50
9	N/A	15	12	N/A	5	3.80	1.00	0.50
12	N/A	15	10	N/A	3.5	1.20	1.00	0.45
12	N/A	15	10	N/A	3.5	2.50	1.00	0.50
12.5	N/A	19	12	N/A	N/A	3.00	3.00	1.00
12	N/A	19	12	N/A	4.7	2.92	1.60	1.45
10.5	N/A	15	15	N/A	5	3.80	1.00	0.50
13	N/A	15	8	N/A	N/A	4.10	2.00	0.50
13	N/A	15	8	N/A	N/A	3.00	3.00	1.00
16.5	N/A	15	8	N/A	3	5.50	1.50	0.50
7	N/A	15	10	N/A	N/A	3.30	1.00	0.50
15	N/A	15	8	N/A	3	3.80	1.00	0.50
7.2	5.8	30	30	80	17	2.92	1.60	1.25
9	N/A	18	16	40	6	2.50	1.00	0.50
9.5	N/A	15	10	N/A	N/A	3.00	3.00	1.00
6.5	5.2	30	30	80	20	2.50	1.00	0.50
7.5	6	30	30	80	16	2.92	1.60	1.25
8.5	5.5	27	25	50	12	2.50	1.00	0.50
5.5	N/A	18	16	40	6.5	5.50	1.50	0.50
12	N/A	15	10	N/A	N/A	2.50	1.00	0.50
8.5	N/A	15	10	N/A	4	4.10	2.00	0.50
7.5	5.8	30	30	80	30	2.92	1.60	1.25
9	7.3	30	30	80	30	2.92	1.60	1.25
12	9	30	30	80	20	1.70	1.30	0.90

**TVS**

	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
33	AZ1603-02S	SOT23-6L	0.9	4	3.3	4	6	3.3
34	AZ1605-01L	SOD-323	2	6	5	1	2	5
35	AZ1613-01L	SOD-323	2	4.6	3.3	1	2	3.3
36	AZ1615-01L	SOD-323	1.9	6	5	1	2	5
37	AZ1743-04F	DFN1308P5Z	0.4	4.5	3.3	4	5	3.3
38	AZ176S-04F	DFN2510P10E	0.29	5	1.5	4	10	1.5
39	AZ1923-04F	DFN2510P10E	0.29	4.5	3.3	4	10	3.3
40	AZ1943-04F	DFN2010P5E	0.29	4.5	3.3	4	5	3.3
41	AZ2013-04C	SC70-5L	28	4.5	3.3	4	5	3.3
42	AZ2013-05C	SC70-6L	27	4.5	3.3	5	6	3.3
43	AZ2013-05R	SOT-563	26	4.5	3.3	5	6	3.3
44	AZ2015-01H	SOD-523	20	6.1	5	1	2	5
45	AZ2015-02S	SOT23-3L	55	6.1	5	2	3	5
46	AZ2015-05R	SOT-563	16	6.5	5	5	6	5
47	AZ2025-01H	SOD-523	11.5	6.1	5	1	2	5
48	AZ2025-02S	SOT23-3L	12	6.1	5	2	3	5
49	AZ2025-04R	SOT-563	5.5	6	5	4	6	5
50	AZ2025-04S	SOT23-5L	12	6.1	5	4	5	5
51	AZ2113-04F	DFN2116P8X	36	4.5	3.3	4	8	3.3
52	AZ2113-08F	DFN2510P10E	28	4.5	3.3	8	10	3.3
53	AZ2115-04C	SC70-5L	13	6	5	4	5	5
54	AZ2115-04SN1	SOT23-6L	13	6	5	4	6	5
55	AZ2115-05C	SC70-6L	13	6	5	5	6	5
56	AZ2115-05F	QFN1616P6E	13	6	5	5	6	5
57	AZ2115-05S	SOT23-6L	13	6	5	5	6	5
58	AZ2215-01L	SOD-323	25	6.1	5	1	2	5
59	AZ2225-01L	SOD-323	14	6.1	5	1	2	5
60	AZ3003-01G	SOD123	1500	4	3.3	1	2	3.3
61	AZ3005-01G	SOD123	1300	6	5	1	2	5
62	AZ3025-04F	DFN2010P8Z	5.5	3	2.5	4	8	2.5
63	AZ3028-04P	SO-8	5.5	3	2.8	4	8	2.8
64	AZ3028-08P	SO-8	3	3	2.8	8	8	2.8

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
10	7	30	30	80	18	2.92	1.60	1.25
14	11	30	30	80	19	1.70	1.30	0.90
8	6.5	30	30	80	21	1.70	1.30	0.90
9.5	7.5	30	30	80	21	1.70	1.30	0.90
9.5	N/A	15	11	N/A	4	1.30	0.80	0.40
4.3	N/A	15	14	30	4	2.50	1.00	0.50
10	7.5	15	13	30	5	2.50	1.00	0.50
9.5	7.5	16	14	30	5	2.00	1.00	0.50
6.5	5	16	12	40	7	2.05	1.25	1.00
6.5	N/A	16	12	40	N/A	2.05	1.25	1.00
6	N/A	18	18	60	N/A	1.60	1.20	0.56
9	7	23	15	40	8.5	1.20	0.80	0.64
9	6	30	22	80	16	2.90	1.30	1.02
8.5	N/A	15	12	30	N/A	1.60	1.20	0.56
10.5	7	22	15	40	8.5	1.20	0.80	0.64
10.5	7	22	15	40	8.5	2.90	1.30	1.02
12	N/A	17	12	40	N/A	1.60	1.20	0.56
10.5	7	22	15	40	8.5	2.92	1.60	1.20
6.5	6	20	20	60	5	2.10	1.60	0.45
7	5	15	13	40	6	2.50	1.00	0.50
7.8	6.5	16	10	35	6	2.05	1.25	1.00
8.5	6.5	16	10	35	6	2.92	1.60	1.45
7.8	6.8	16	10	35	6	2.05	1.25	1.00
8.5	6.8	16	10	35	6	1.60	1.60	0.55
8.5	6.8	16	10	35	6	2.92	1.60	1.45
9	7	25	15	40	8.5	1.70	1.30	0.90
10.5	7	22	15	40	8.5	1.70	1.30	0.90
8	7	30	30	80	65	2.70	1.60	1.15
8.5	7.5	30	30	80	60	2.70	1.60	1.15
N/A	7	20	20	N/A	10	2.00	1.00	0.40
N/A	10	30	30	60	30	4.90	3.90	1.55
N/A	12	30	30	80	30	4.90	3.90	1.55

## TVS

	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
65	AZ3103-01F	DFN1610P2E	465	4	3.3	1	2	3.3
66	AZ3105-01F	DFN1610P2E	250	6	5	1	2	5
67	AZ3105-04P	SO-8	4	6	5	4	8	5
68	AZ3125-08F	DFN3020P10E	1.7	3	2.5	4	10	2.5
69	AZ3128-04P	SO-8	3	3	2.8	4	8	2.8
70	AZ3133-04F	DFN2525P10E	3	3.9	3.3	4	10	3.3
71	AZ3133-08F	DFN3020P10E	3.6	3.9	3.3	4	10	3.3
72	AZ3205-01F	DFN1610P2E	140	6.0	5	1	2	5
73	AZ3225-08F	DFN3020P10E	1.2	3	2.5	4	10	2.5
74	AZ3233-02F	DFN2525P10E	10	3.9	3.3	2	10	3.3
75	AZ3405-01F	DFN1610P2E	65	6	5	1	2	5
76	AZ3505-01F	DFN1610P2E	310	5	4.5	1	2	4.5
77	AZ3603-01F	DFN1610P2E	280	3.7	3.3	1	2	3.3
78	AZ3705-01F	DFN2020P3E	430	5	4.5	1	3	4.5
79	AZ4007-01H	SOD-523	60	8.5	7	1	2	7
80	AZ4007-01L	SOD-323	60	8.5	7	1	2	7
81	AZ4007-02S	SOT23-3L	60	8.5	7	2	3	7
82	AZ4008-01F	DFN1006P2E	210	8	7.9	1	2	7.9
83	AZ4008-01G	SOD123	1100	9	8	1	2	8
84	AZ4010-01G	SOD123	750	11.2	10	1	2	10
85	AZ4012-01F	DFN1006P2X	40	13.5	12	1	2	12
86	AZ4012-01G	SOD123	290	14.4	12	1	2	12
87	AZ4012-01H	SOD-523	40	13.5	12	1	2	12
88	AZ4012-01L	SOD-323	40	13.5	12	1	2	12
89	AZ4012-02S	SOT23-3L	40	13.5	12	2	3	12
90	AZ4015-01G	SOD123	675	16.7	15	1	2	15
91	AZ4018-01G	SOD123	620	20	18	1	2	18
92	AZ4020-01F	DFN2020P2E	650	22.8	20	1	2	20
93	AZ4020-01G	SOD123	580	22.2	20	1	2	20
94	AZ4024-01F	DFN1006P2X	42	26.7	24	1	2	24
95	AZ4024-01G	SOD123	450	26.7	24	1	2	24
96	AZ4024-01H	SOD-523	60	26.7	24	1	2	24

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
4.8	5.3	30	30	80	80	1.60	1.00	0.50
6	6.4	30	30	80	80	1.60	1.00	0.50
9	7.3	20	20	80	30	4.90	3.90	1.55
8	6.5	30	30	80	45	3.00	2.00	0.55
N/A	12	30	30	60	30	4.90	3.90	1.55
11.5	12	30	30	80	25	2.50	2.50	0.52
10.5	9	30	30	80	45	3.00	2.00	0.55
6.0	5.6	30	30	80	100	1.60	1.00	0.50
8	7	30	30	80	45	3.00	2.00	0.55
N/A	9.2	30	30	80	50	2.50	2.50	0.52
6	6.5	30	30	80	50	1.60	1.00	0.50
5.5	5	30	30	80	200	1.60	1.00	0.50
4.7	5	30	30	80	180	1.60	1.00	0.50
5.5	5	30	30	80	250	2.00	2.00	0.55
12.5	11.7	30	25	80	5.5	1.20	0.80	0.64
12.5	12	30	25	80	5.5	1.70	1.30	0.90
12.5	11.5	30	25	80	6	2.90	1.30	1.02
10	9.2	30	30	80	25	1.00	0.60	0.50
12	10.5	30	30	80	60	2.70	1.60	1.15
13.5	13	30	30	80	53	2.70	1.60	1.15
20	N/A	24	18	60	N/A	1.00	0.60	0.45
17.5	16.5	30	30	80	20	2.70	1.60	1.15
20	N/A	26	20	60	N/A	1.20	0.80	0.64
22	N/A	18	18	60	N/A	1.70	1.30	0.90
23	N/A	26	20	60	N/A	2.90	1.30	1.02
19.5	18	30	30	80	40	2.70	1.60	1.15
25	22	30	30	80	34	2.70	1.60	1.15
25	24	30	30	N/A	58	2.00	2.00	0.50
26	23.5	30	30	80	30	2.70	1.60	1.15
42	N/A	25	25	60	N/A	1.00	0.60	0.48
32	30	30	30	80	25	2.70	1.60	1.15
37.5	41.5	25	25	70	5	1.20	0.80	0.64

**TVS**

	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
97	AZ4024-01L	SOD-323	60	26.7	24	1	2	24
98	AZ4024-02S	SOT23-3L	20	26.7	24	2	3	24
99	AZ4028-01G	SOD123	300	31.1	28	1	2	28
100	AZ4030-01G	SOD123	480	33.3	30	1	2	30
101	AZ4036-01G	SOD123	420	40	36	1	2	36
102	AZ4040-01G	SOD123	200	44.2	40	1	2	40
103	AZ4045-01G	SOD123	240	50	45	1	2	45
104	AZ4107-01F	DFN1006P2X	160	8	7	1	2	7
105	AZ4112-01G	SOD123	780	14	12	1	2	12
106	AZ4115-01F	DFN1006P2X	65	16.7	15	1	2	15
107	AZ4120-01F	DFN1006P2X	52	22.2	20	1	2	20
108	AZ4124-01F	DFN1006P2E	72	25.5	24	1	2	24
109	AZ4200-01S	SOT23-3L	10	120	100	1	3	100
110	AZ4208-01F	DFN1006P2X	30	9	8	1	2	8
111	AZ4212-01F	DFN1006P2X	3.6	13.7	12	1	2	12
112	AZ4212-01G	SOD123	60	13.7	12	1	2	12
113	AZ4233-01F	DFN1006P2X	13	35	33	1	2	33
114	AZ4307-01F	DFN2020P2E	1650	7.8	7	1	2	7
115	AZ4310-01F	DFN2020P2E	950	11.2	10	1	2	10
116	AZ4326-01F	DFN2020P2E	520	28.7	26	1	2	26
117	AZ4507-01F	DFN1610P2E	830	7.8	7	1	2	7
118	AZ4510-01F	DFN1610P2E	465	11.2	10	1	2	10
119	AZ4512-01F	DFN1610P2E	440	13.3	12	1	2	12
120	AZ4512-01L	SOD-323	440	13.3	12	1	2	12
121	AZ4514-01F	DFN1610P2E	340	15.5	14	1	2	14
122	AZ4516-01F	DFN1610P2E	290	18	16	1	2	16
123	AZ4520-01F	DFN1610P2E	240	22.8	20	1	2	20
124	AZ4524-01F	DFN1610P2E	210	26.7	24	1	2	24
125	AZ4536-01F	DFN1610P2E	160	40	36	1	2	36
126	AZ4612-01L	SOD-323	1.8	13.5	12	1	2	12
127	AZ4615-01L	SOD-323	1.8	17	15	1	2	15
128	AZ4616-01F	DFN1610P2E	1.9	18.5	16	1	2	16

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
38	42.5	30	30	80	5	1.70	1.30	0.90
43.5	35	15	15	60	5.5	2.90	1.30	1.02
36	34	30	30	80	22	2.70	1.60	1.15
40	37	30	30	80	20	2.70	1.60	1.15
47	43	30	30	80	16	2.70	1.60	1.15
53	50	30	30	80	13	2.70	1.60	1.15
59	56	30	30	80	15	2.70	1.60	1.15
10	9.2	30	30	80	12	1.00	0.60	0.48
17	15.5	30	30	80	45	2.70	1.60	1.15
21	21.5	30	30	80	6	1.00	0.60	0.48
29	N/A	30	30	80	4.5	1.00	0.60	0.48
30	32	30	30	80	6.5	1.00	0.60	0.50
168	N/A	15	8	N/A	N/A	2.90	1.30	1.02
15	14	30	30	60	5	1.00	0.60	0.48
18	N/A	16	16	40	N/A	1.00	0.60	0.48
17	16.5	30	30	80	25	2.70	1.60	1.15
70	N/A	15	15	40	N/A	1.00	0.60	0.48
9.5	8	30	30	80	180	2.00	2.00	0.50
13	N/A	30	30	80	150	2.00	2.00	0.50
31.8	N/A	30	30	N/A	46	2.00	2.00	0.50
10	8.5	30	30	80	100	1.60	1.00	0.50
13	N/A	30	30	80	80	1.60	1.00	0.50
15	14.5	30	30	80	38	1.60	1.00	0.50
15	14.5	30	30	80	38	1.70	1.30	0.90
18	17.5	30	30	80	32	1.60	1.00	0.50
20.5	N/A	30	30	80	60	1.60	1.00	0.50
25.5	25.5	30	30	80	24	1.60	1.00	0.50
30	N/A	30	30	80	50	1.60	1.00	0.50
44	45	30	30	80	14	1.60	1.00	0.50
22	17.5	30	30	80	12	1.70	1.30	0.90
27	23	20	20	80	10	1.70	1.30	0.90
28	23	20	20	60	8	1.60	1.00	0.50

## TVS

	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
129	AZ4617-01F	DFN1006P2E	0.4	18.7	17	1	2	17
130	AZ4624-01L	SOD-323	1.8	26.5	24	1	2	24
131	AZ4712-01F	DFN2020P3E	1100	13.3	12	1	3	12
132	AZ4714-01F	DFN2020P3E	950	15.5	14	1	3	14
133	AZ4715-01F	DFN2020P3E	900	16.5	15	1	3	15
134	AZ4718-01F	DFN2020P3E	700	20	18	1	3	18
135	AZ4724-01F	DFN2020P3E	550	25.5	24	1	3	24
136	AZ4808-01F	DFN1006P2E	10	9	8	1	2	8
137	AZ4824-02S	SOT23-3L	38	26.2	24	2	3	24
138	AZ4836-01L	SOD-323	13	40	36	1	2	36
139	AZ4860-04F	LGA2510P10E	7.7	6.5	60	4	10	60
140	AZ4A07-01B	CSP0603P2Y	50	8	7	1	2	7
141	AZ4A12-01F	DFN0603P2Y	3.5	13.5	12	1	2	12
142	AZ4A18-01F	DFN0603P2Y	7	20	18	1	2	18
143	AZ4A20-01F	DFN0603P2Y	6.5	22.8	20	1	2	20
144	AZ4A21-01B	CSP0603P2Y	15	23.8	21	1	2	21
145	AZ4A24-01F	DFN0603P2Y	5.8	26.8	24	1	2	24
146	AZ4C36-01B	CSP0402P2U	4.3	40	3	1	2	36
147	AZ5013-01F	DFN1006P2X	55	4.5	3.3	1	2	3.3
148	AZ5013-01H	SOD-523	55	4.5	3.3	1	2	3.3
149	AZ5015-01F	DFN1006P2X	24	5.8	5	1	2	5
150	AZ5015-01H	SOD-523	24	5.8	5	1	2	5
151	AZ5123-01F	DFN1006P2X	13.5	4	3.3	1	2	3.3
152	AZ5123-01H	SOD-523	13.5	4	3.3	1	2	3.3
153	AZ5123-02F	DFN1006P3X	20	3.8	3.3	2	3	3.3
154	AZ5123-02S	SOT23-3L	11	4	3.3	2	3	3.3
155	AZ5125-01H	SOD-523	7	6	5	1	2	5
156	AZ5125-02F	DFN1006P3X	7	5.7	5	2	3	5
157	AZ5125-02S	SOT23-3L	6	5.8	5	2	3	5
158	AZ5213-02F	DFN1006P3X	0.5	5	3.3	2	3	3.3
159	AZ5215-01F	DFN1006P2E	0.8	6	5	1	2	5
160	AZ5225-01F	DFN1006P2E	0.2	5.5	2	1	2	2

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
38	N/A	15	10	N/A	N/A	1.00	0.60	0.50
36	31	18	18	40	5	1.70	1.30	0.90
15	N/A	30	30	80	225	2.00	2.00	0.55
16.5	N/A	30	30	80	200	2.00	2.00	0.55
18	17	30	30	80	170	2.00	2.00	0.55
22	22	30	30	80	138	2.00	2.00	0.55
28	28	30	30	80	125	2.00	2.00	0.55
11.5	11	25	25	80	7.5	1.00	0.60	0.50
32	32	30	30	80	6.5	2.90	1.30	1.02
47	N/A	25	25	60	2	1.70	1.30	0.90
90	N/A	30	30	50	4	2.50	1.00	0.50
13.5	11	30	30	80	7	0.60	0.30	0.28
18	N/A	20	20	50	3	0.60	0.30	0.30
32	N/A	20	20	50	N/A	0.60	0.30	0.30
34	N/A	20	20	50	N/A	0.60	0.30	0.30
30	N/A	30	30	80	2.5	0.60	0.30	0.28
48	N/A	20	18	40	N/A	0.60	0.30	0.30
66	N/A	15	12	30	N/A	0.44	0.24	0.17
6.5	N/A	30	30	80	4	1.00	0.60	0.48
7	N/A	30	30	80	4	1.20	0.80	0.64
7	N/A	30	30	80	N/A	1.00	0.60	0.48
8	N/A	30	30	80	N/A	1.20	0.80	0.64
7	6.5	16	16	50	5	1.00	0.60	0.48
7.5	N/A	16	16	50	4.5	1.20	0.80	0.64
6.5	7	30	30	80	8	1.00	0.60	0.45
8.5	N/A	15	15	40	4	2.90	1.30	1.02
10	N/A	20	15	50	N/A	1.20	0.80	0.64
11	N/A	15	15	50	N/A	1.00	0.60	0.45
11.5	N/A	15	15	40	N/A	2.90	1.30	1.02
9	5.7	15	15	N/A	5.5	1.00	0.60	0.45
12	N/A	15	10	N/A	N/A	1.00	0.60	0.50
6.5	4	15	12	N/A	6.5	1.00	0.60	0.50

## TVS

	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
161	AZ5313-02F	DFN1006P3X	0.35	4.5	3.3	2	3	3.3
162	AZ5323-01F	DFN1006P2E	0.45	4.5	3.3	1	2	3.3
163	AZ5325-01F	DFN1006P2E	0.5	7	5	1	2	5
164	AZ5413-01F	DFN1006P2E	0.75	5	3.3	1	2	3.3
165	AZ5423-01F	DFN1006P2E	0.85	4.5	3.3	1	2	3.3
166	AZ5425-01F	DFN1006P2E	0.8	7	5	1	2	5
167	AZ5425-04F	DFN2510P10E	0.4	5.8	5	4	10	5
168	AZ5515-02F	DFN1006P3X	0.8	6	5	2	3	5
169	AZ5525-01F	DFN1006P2X	27	5.6	5	1	2	5
170	AZ5725-01F	DFN1006P2X	8	5.8	5	1	2	5
171	AZ5815-01F	DFN1006P2E	85	6.2	5.5	1	2	5.5
172	AZ5825-01F	DFN1006P2E	30	6	5	1	2	5
173	AZ5845-01F	DFN1006P2X	80	4.7	4.5	1	2	4.5
174	AZ5883-01F	DFN1006P2E	70	4.5	3.3	1	2	3.3
175	AZ5925-01H	SOD-523	27	5.6	5	1	2	5
176	AZ5926-02F	DFN1210P6X	32	6.7	6	2	6	6
177	AZ5946-02F	DFN1006P3X	35	6.6	6.3	2	3	6.3
178	AZ5A23-01F	DFN0603P2Y	11	3.8	3.3	1	2	3.3
179	AZ5A25-02R	SOT523-3L	5.5	5.6	5	2	3	5
180	AZ5A75-01F	DFN0603P2Y	5.5	5.6	5	1	2	5
181	AZ5A83-01B	CSP0603P2Y	52.5	4	3.3	1	2	3.3
182	AZ5A85-01B	CSP0603P2Y	31	6	5	1	2	5
183	AZ5B0S-01F	DFN0603P2Y	0.18	5.5	2	1	2	2
184	AZ5B65-01F	DFN0603P2Y	0.3	6	5	1	2	5
185	AZ5B75-01B	CSP0603P2Y	0.1	6	5	1	2	5
186	AZ5B85-01B	CSP0603P2Y	0.5	6	5	1	2	5
187	AZ5B8S-01F	DFN0603P2Y	0.18	4	1.5	1	2	1.5
188	AZ5B9S-01F	DFN0603P2Y	0.18	4	1.5	1	2	1.5
189	AZ5C23-01B	CSP0402P2U	7	4	3.3	1	2	3.3
190	AZ5H33-01F	DFN1006P2E	0.85	16	3.3	1	2	3.3
191	AZ6112-01F	DFN1006P2E	13.5	11	1.2	1	2	1.2
192	AZ6118-01F	DFN1006P2X	40	2.2	1.8	1	2	1.8

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
9.5	N/A	15	10	N/A	3.5	1.00	0.60	0.45
12	N/A	17	15	N/A	4	1.00	0.60	0.50
25	N/A	15	8	N/A	N/A	1.00	0.60	0.50
8.5	5.6	20	20	50	7.5	1.00	0.60	0.50
14	10	15	13	N/A	5.5	1.00	0.60	0.50
24	N/A	15	8	N/A	N/A	1.00	0.60	0.50
11	N/A	15	15	40	5	2.50	1.00	0.50
10	7	22	22	80	11	1.00	0.60	0.45
10	9	30	30	80	8.5	1.00	0.60	0.48
10	N/A	15	15	50	N/A	1.00	0.60	0.48
6.0	5.5	30	30	80	40	1.00	0.60	0.50
6.5	7	30	30	80	18	1.00	0.60	0.50
6.5	5.8	30	30	80	55	1.00	0.60	0.48
5	4.5	30	30	80	42	1.00	0.60	0.50
9.5	9	30	30	80	12	1.20	0.80	0.64
10.5	10	30	30	80	20	1.20	1.00	0.45
9	8.4	30	30	80	20	1.00	0.60	0.45
8	N/A	20	20	50	5	0.60	0.30	0.30
13	N/A	15	15	40	N/A	1.60	0.80	0.80
12	N/A	17	15	40	N/A	0.60	0.30	0.30
5	4.5	25	25	80	16	0.60	0.30	0.28
6	6	25	25	80	16	0.60	0.30	0.28
5.5	3.1	15	12	N/A	7	0.60	0.30	0.30
20	11	15	15	N/A	5	0.60	0.30	0.30
18	N/A	15	8	N/A	N/A	0.60	0.30	0.28
11	N/A	16	16	N/A	4	0.60	0.30	0.28
5.5	N/A	15	12	N/A	4	0.60	0.30	0.30
4.6	N/A	15	13	N/A	4	0.60	0.30	0.30
5.8	N/A	18	18	50	N/A	0.44	0.24	0.17
15	13.5	20	20	80	13	1.00	0.60	0.50
5	3.5	15	15	80	12	1.00	0.60	0.50
4.5	4.2	30	30	80	15	1.00	0.60	0.48



**TVS**

	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
193	AZ6225-01F	DFN1006P2E	62.5	3.5	2.5	1	2	2.5
194	AZ6425-01F	DFN1610P2E	355	3.5	2.5	1	2	2.5
195	AZ6425-01G	SOD123	350	3.5	2.5	1	2	2.5
196	AZ6518-01F	DFN1610P2E	160	2.2	1.8	1	2	1.8
197	AZ6A25-01B	CSP0603P2Y	75	3.5	2.5	1	2	2.5
198	AZC002-02N	SOT143-4L	1.2	6.2	5	2	4	5
199	AZC002-04S	SOT23-6L	1.2	6.2	5	4	6	5
200	AZC015-04C	SC70-6L	1.3	6	5	4	6	5
201	AZC015-04F	QFN1616P6E	1.3	6	5	4	6	5
202	AZC099-04S	SOT23-6L	1.0	6.2	5	4	6	5
203	AZC199-02S	SOT23-3L	1.6	7	5	2	3	5
204	AZC199-04C	SC70-6L	1	6	5	4	6	5
205	AZC199-04S	SOT23-6L	1	6	5	4	6	5
206	AZC299-02R	SOT-563	2	6	5	2	6	5
207	AZC299-02S	SOT23-6L	2.1	6	5	2	6	5
208	AZC398-04C	SC70-5L	1.9	6	5	4	5	5
209	AZC398-08F	DFN3810P9E	1	4.5	3.3	8	9	3.3
210	AZC399-04C	SC70-6L	1.4	6	5	4	6	5
211	AZC399-04S	SOT23-6L	1.4	6	5	4	6	5
212	AZC615-04S	SOT23-6L	1.8	6	5	4	6	5

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	EFT IO (A)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
5	4	30	30	80	20	1.00	0.60	0.50
4	3	30	30	80	80	1.60	1.00	0.50
4.7	3.5	30	30	80	60	2.70	1.60	1.15
3.6	3.0	30	30	80	65	1.60	1.00	0.50
4.5	4	30	30	80	16	0.60	0.30	0.28
13	8.1	17	12	20	6	2.92	1.30	1.06
13	8.1	17	12	20	6	2.92	1.60	1.45
12.5	8.1	18	14	20	6.5	2.05	1.25	1.00
12.5	8.1	21	14	20	6.5	1.60	1.60	0.55
11.5	9	15	15	40	5.5	2.92	1.60	1.25
11	8.5	16	16	55	5	2.90	1.30	1.02
11	8.5	15	15	50	5	2.05	1.25	1.00
11	8.5	27	16	55	6	2.92	1.60	1.45
9.5	7.8	15	15	60	6	1.60	1.20	0.56
10.5	7.5	16	16	60	7	2.92	1.60	1.45
10	8	26	16	60	8.5	2.05	1.25	1.00
8.5	6.5	26	18	60	8.5	3.80	1.00	0.50
11	7.5	26	16	60	8.5	2.05	1.25	1.00
11	7.5	27	17	60	10	2.92	1.60	1.45
8	7	30	30	70	10	2.92	1.60	1.25

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	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
1	AZ9113-04S	SOT23-6L	2.1	4.5	3.3	4	6	3.3
2	AZ9115-04S	SOT23-6L	2	6	5	4	6	5
3	AZ9143-04F	DFN2510P10E	0.45	4.5	3.3	4	10	3.3
4	AZ9143-08F	DFN3810P9E	0.5	4.5	3.3	8	9	3.3
5	AZ9153-04S	SOT23-6L	2.1	4.5	3.3	4	6	3.3
6	AZ9173-04F	DFN1308P5Z	0.4	5	3.3	4	5	3.3
7	AZ9305-01G	SOD123	1500	6	5	1	2	5
8	AZ9313-01F	DFN1610P2E	460	4	3.3	1	2	3.3
9	AZ9315-01F	DFN1610P2E	250	6	5	1	2	5
10	AZ9407-01H	SOD-523	60	8	7	1	2	7
11	AZ9408-01G	SOD123	900	9	8	1	2	8
12	AZ9412-01G	SOD123	780	13.5	12	1	2	12
13	AZ9412-01H	SOD-523	40	13.5	12	1	2	12
14	AZ9415-01G	SOD123	600	16.7	15	1	2	15
15	AZ9424-01F	DFN1006P2X	42	27	24	1	2	24
16	AZ9424-01G	SOD123	455	26.7	24	1	2	24
17	AZ9424-01H	SOD-523	60	26.7	24	1	2	24
18	AZ9424-02S	SOT23-3L	38	26.2	24	2	3	24
19	AZ9436-01G	SOD123	420	40	36	1	2	36
20	AZ9513-01F	DFN1006P2X	55	4.5	3.3	1	2	3.3
21	AZ9515-02F	DFN1006P3X	0.8	6	5	2	3	5
22	AZ9523-01F	DFN1006P2X	15	4	3.3	1	2	3.3
23	AZ9525-01H	SOD-523	7.5	5.6	5	1	2	5
24	AZ9565-01F	DFN1006P2E	0.45	7	5	1	2	5
25	AZ9568-01F	DFN1006P2E	0.4	10	8	1	2	8
26	AZ9585-01F	DFN1006P2E	28	6	5	1	2	5
27	AZ9625-01F	DFN1006P2E	63	3.5	2.5	1	2	2.5
28	AZ9707-01F	DFN1610P2E	850	7.8	7	1	2	7
29	AZ9710-01F	DFN1610P2E	480	11.2	10	1	2	10
30	AZ9712-01F	DFN1610P2E	550	13.3	12	1	2	12
31	AZ9716-01F	DFN1610P2E	300	18	16	1	2	16
32	AZ9720-01F	DFN1610P2E	250	22.8	20	1	2	20

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
7.5	8.5	30	30	16	2.92	1.60	1.45
9	9.5	30	30	15	2.92	1.60	1.45
9	6.6	15	15	5	2.50	1.00	0.50
9	N/A	15	12	N/A	3.80	1.00	0.50
7.5	6	30	30	15	2.90	1.60	1.25
11	N/A	15	10	3	1.30	0.80	0.40
8.5	7.5	30	30	55	2.70	1.60	1.15
4.8	5.4	30	30	70	1.60	1.00	0.50
6	6.5	30	30	60	1.60	1.00	0.50
13.5	N/A	30	30	N/A	1.20	0.80	0.64
11.5	10.5	30	30	50	2.70	1.60	1.15
16.5	15.5	30	30	35	2.70	1.60	1.15
20	N/A	18	18	N/A	1.20	0.80	0.64
19	18	30	30	30	2.70	1.60	1.15
42	N/A	30	30	N/A	1.00	0.60	0.48
31	30	30	30	20	2.70	1.60	1.15
39	N/A	30	30	N/A	1.20	0.80	0.64
31	31	30	30	6	2.90	1.30	1.02
47	43	30	30	12	2.70	1.60	1.15
6	N/A	30	30	N/A	1.00	0.60	0.48
10.7	7.5	18	18	7.5	1.00	0.60	0.48
7	N/A	16	16	N/A	1.00	0.60	0.48
11	N/A	18	18	N/A	1.20	0.80	0.64
20	N/A	15	12	N/A	1.00	0.60	0.50
20	16	30	30	5	1.00	0.60	0.50
6.5	6	25	25	15	1.00	0.60	0.50
5	4.3	30	30	20	1.00	0.60	0.50
9.0	8.5	30	30	45	1.60	1.00	0.50
12.7	12.3	30	30	32	1.60	1.00	0.50
15	14.5	30	30	25	1.60	1.00	0.50
20	20	30	30	20	1.60	1.00	0.50
25.5	24.5	30	30	18	1.60	1.00	0.50

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	Part No.	Package	Capacitance (pf, Typical)	VBR (V)	VRWM (Reverse Stand-off Voltage)	Channel #	PINS	Operation Voltage (V)
33	AZ9724-01F	DFN1610P2E	210	26.7	24	1	2	24
34	AZ9736-01F	DFN1610P2E	160	40	36	1	2	36
35	AZ9808-01F	DFN1006P2X	28	9	8	1	2	8
36	AZ9812-01F	DFN1006P2X	3.5	13.5	12	1	2	12
37	AZ9812-01L	SOD-323	2	13.5	12	1	2	12
38	AZ9817-01F	DFN1006P2E	0.4	18.7	17	1	2	17
39	AZ9824-01L	SOD-323	55	25.5	24	1	2	24
40	AZ9C39-04S	SOT23-6L	1.3	6	5	4	6	5
41	AZ9C98-08F	DFN3810P9E	1	4.5	3.3	8	9	3.3

ESD Clamping Voltage (V) @8kV	Surge Clamping Voltage (V) @5A	ESD Air (kV)	ESD Contact (kV)	Surge IPP (A)	Size (L) mm	Size (W) mm	Size (H) mm
31	30	30	30	16	1.60	1.00	0.50
44	44	30	30	11	1.60	1.00	0.50
15.5	N/A	30	30	N/A	1.00	0.60	0.48
17	N/A	16	16	N/A	1.00	0.60	0.48
22	18	30	24	7	1.70	1.30	0.90
38	N/A	15	10	N/A	1.00	0.60	0.50
31	29	30	30	8	1.70	1.30	0.90
10	7.5	18	18	6.5	2.90	1.60	1.10
8	6.5	16	16	6.5	3.80	1.00	0.50

## Transceiver

Interface	Part No.	Package	Supply Voltage	Half/Full Duplex	Data Rate (bps)
CAN	AZCAN1040T	SO-8	5V	Half	2M
	AZRS13085	SO-8	5V	Half	10M
RS485	AZRS3072	SO-8	3.3V	Half	250k
	AZRS3076	SO-8	3.3V	Half	16M
	AZRS3078	SO-8	3.3V	Half	16M
	AZRS3080E	SO-8	5V	Half	10M
	AZRS3082	SO-8	5V	Half	115k
	AZRS3088	SO-8	5V	Half	10M
	AZRS485	SO-8	5V	Half	10M
	AZRS485E	SO-8	5V	Half	10M
	AZRS485N	SO-8	5V	Half	10M
	AZRS5485E	SO-8	5V	Half	10M
	AZRS5485N	SO-8	5V	Half	10M
	AZRS6534	SO-8	5V	Half	8M
	AZRS6605	SO-8	5V	Half	1M

Transceivers on Bus	Receiver Fail-Safe	Surge Robustness	I/O ESD MM	System ESD Contact	Feature Highlight
N/A	N/A	N/A	600V	12kV	Standby Mode
256	Yes	N/A	800V	15kV	VOD2 Enhanced
256	Yes	N/A	800V	15kV	ESD RS485
256	Yes	N/A	800V	15kV	Low Power, High Speed
256	Yes	N/A	800V	15kV	ESD RS485
256	Yes	N/A	800V	15kV	VOD2 Enhanced
256	Yes	30A	800V	30kV	Surge RS485
256	Yes	30A	800V	30kV	Surge RS485
256	Yes	N/A	800V	15kV	ESD RS485
256	Yes	N/A	800V	15kV	VOD2 Enhanced
256	Yes	N/A	800V	15kV	Polarity Free
256	Yes	N/A	800V	15kV	Polarity Free
256	Yes	N/A	800V	15kV	Polarity Free
256	Yes	30A	800V	30kV	Surge RS485
256	Yes	N/A	800V	9kV	ESD RS485

## ⚡ TVS Solution for NB.PC.TV.Monitor.Networking

### USB 3.1 Type-C

Tx, Rx  
AZ1023-02F  
AZ1023-04F  
AZ1143-04F  
AZ176S-04F  
AZ5B8S-01F  
AZ5B9S-01F

D+, D-, CC and SBU  
AZ1045-02F  
AZ1045-04F  
AZ5515-02F  
AZ5B75-01B  
AZ5B85-01B

Power Delivery in V<sub>bus</sub>  
AZ3105-01F  
AZ4512-01F  
AZ4520-01F  
AZ4524-01F

### USB 3.1 Type-A

USB 3.1 Gen 2 Total Solution  
AZ1365-06F

USB 3.1 Gen 2  
AZ1023-04F  
AZ176S-04F

USB 3.1 Gen 1  
AZ1045-04F  
AZ1143-04F  
AZ1243-04F  
AZ5515-02F

USB 2.0 D+, D-  
AZ1045-02F  
AZ1513-04S  
AZ5325-01F  
AZ5413-01F  
AZ5515-02F  
AZC099-04S  
AZC199-02S  
AZC199-04S  
AZC399-04S

### Thunderbolt

AZ5B8S-01F  
AZ5B9S-01F

### HDMI/DisplayPort-High Speed TMDS

AZ1023-04F  
AZ1023-02F  
AZ1043-08F  
AZ1045-02F  
AZ1045-04F  
AZ1143-04F  
AZ1243-04F

### HDMI/DisplayPort-Control Lines

AZC199-04S

### LAN 10/100/1000

AZ1513-04S  
AZ1515-04S  
AZ1613-01L  
AZ3028-04P  
AZ3125-08F  
AZ3133-04F  
AZ3133-08F  
AZC199-04S  
AZC399-04S

### LAN 2.5G/5G/10G

AZ1023-04F  
AZ1143-04F  
AZ1243-04F  
AZ5B0S-01F

### mSATA

AZ1043-04F  
AZ1045-04F

### VGA

AZ1515-04S  
AZC099-04S  
AZC199-04S  
AZC399-04S

### UART

AZ5413-01F  
AZ5323-01F

### DVI

AZ1515-04S  
AZC099-04S  
AZC199-04S  
AZC399-04S

### SD Card/SIM Card

AZC199-04S  
AZ1515-04S

### RS232/RS485

AZ4212-01F  
AZ4212-01G

### SMBus

AZ1045-04F  
AZ5515-02F  
AZC199-04S  
AZC399-04S

### Audio/Speaker

AZ1605-01L  
AZ1613-01L  
AZ1615-01L  
AZ2225-01L  
AZ5123-01F  
AZ5125-01H  
AZ5125-02S  
AZ5323-01F  
AZ5525-01F  
AZ5725-01F  
AZ5825-01F  
AZ5925-01H  
AZ5A75-01F

### GPIO

AZ1605-01L  
AZ1613-01L

### LED

AZ3103-01F  
AZ3105-01F  
AZ5125-01H  
AZ5725-01F  
AZ5825-01F

### XDSL

AZ1605-01L  
AZ4608-01L  
AZ4612-01L  
AZ4615-01L  
AZ4624-01L

### DC-in Power

AZ4512-01F  
AZ4012-01G  
AZ4015-01G  
AZ4024-01G  
AZ4030-01G  
AZ4212-01G  
AZ4510-01F  
AZ4512-01F  
AZ4514-01F  
AZ4520-01F  
AZ4524-01F  
AZ4536-01F  
AZ5825-01F

### Power Buttons

AZ2025-04S  
AZ2225-01L  
AZ3003-01G  
AZ3005-01G  
AZ3103-01F  
AZ3105-01F  
AZ3205-01F  
AZ3405-01F  
AZ3603-01F  
AZ4012-01G  
AZ4024-01F  
AZ4024-01G  
AZ4024-02S  
AZ4030-01G  
AZ4212-01G  
AZ5013-01H  
AZ5015-01H  
AZ5123-01H  
AZ5123-01H  
AZ5125-01H  
AZ5413-01F  
AZ5725-01F  
AZ5825-01F  
AZ5925-01H  
AZ5A75-01F  
AZ5A83-01B  
AZ5A85-01B  
AZ6112-01F  
AZ6118-01F  
AZ6225-01F

### Core Voltage

AZ3103-01F  
AZ3205-01F  
AZ3603-01F  
AZ6112-01F  
AZ6225-01F  
AZ6518-01F

## ⚡ TVS Solution for LCM (Panel)

### V-by-One

AZ1043-08F  
AZ1083-08F  
AZ1115-08F  
AZ1143-04F

### eDP 2.0

AZ1023-04F  
AZ1083-08F

### eDP 1.2/1.4

AZ1043-08F  
AZ1143-04F  
AZ176S-04F

### Mini-LVDS/USI-T/CMPI

AZ1043-08F  
AZ1143-04F

### LVDS-ESD

AZ1043-08F  
AZ1143-04F

### LVDS-Surge

AZ1243-04F  
AZ1013-04F  
AZ1513-04S  
AZ1515-04S

### MIPI D-PHY

AZ1143-04F  
AZ1243-04F  
AZ1743-04F  
AZ5213-02F

### GOA

AZ4836-01L  
AZ4860-04F

### Touch Panel I<sup>2</sup>C/SPI/USB

AZ1143-04F  
AZ1243-04F  
AZ5515-02F

### 3.3V I<sup>2</sup>C

AZ5123-02F  
AZ5413-01F

### 5V I<sup>2</sup>C

AZ5125-02F  
AZ5515-02F

### LED Backlight Power

AZ4520-01F  
AZ4233-01F

### Mini-LED Feedback Channel

AZ2113-08F

### PWM

AZ5123-01F  
AZ5825-01F

### Power Lines

AZ3005-01G  
AZ3103-01F  
AZ3105-01F  
AZ4008-01G  
AZ4012-01G  
AZ4018-01G  
AZ4020-01G  
AZ4024-01G  
AZ4036-01G  
AZ4107-01F  
AZ4208-01F  
AZ4212-01F  
AZ4617-01F  
AZ5123-01F  
AZ5825-01F  
AZ5A23-01F  
AZ5A83-01F  
AZ6225-01F

## ⚡ TVS Solution for IPC, DVR, Medical Electronic

### HDMI/DisplayPort-High Speed TMDS

AZ1023-04F  
AZ1143-04F  
AZ1243-04F

### HDMI/DisplayPort-Control Lines

AZC199-04S

### LAN 2.5G/5G/10G Line-to-Line

AZ5B0S-01F

### LAN 2.5G/5G/10G Line-to-Ground

AZ1023-04F  
AZ1243-04F

### LAN 10/100/1000-Surge Line-to-Line

AZ3125-08F  
AZ3133-08F

### LAN 10/100/1000-Surge Line-to-Ground

AZ1515-04S  
AZ1513-04S  
AZ1613-01L  
AZ1615-01L

### Antenna

AZ4617-01F  
AZ5B75-01B

### USB 3.1 Gen 2 Type-C

AZ1023-02F  
AZ1023-04F  
AZ5B9S-01F

### USB Type-C D+, D-, CC and SBU

AZ1045-02F  
AZ1045-08F  
AZ5B75-01B  
AZ5515-02F

### USB Type-C V<sub>bus</sub>

AZ3105-01F  
AZ4512-01F  
AZ4520-01F

### USB 3.1 Gen 2 Type-A

AZ1365-06F

### USB Type-A V<sub>bus</sub>

AZ5825-01F  
AZ3105-01F

### USB 2.0/CF Card/SD Card Reader

AZ1515-04S  
AZC199-04S  
AZ5515-02F

### RS485/RS232/RS422

AZ4212-01G

### UART

AZ5323-01F  
AZ5325-01F  
AZ5413-01F  
AZ5515-02F

### SIM Card

AZ1143-04F  
AZ1243-04F  
AZC199-04S

### VGA/DVI

AZ1515-04S  
AZC199-04S

### Audio/Microphone

AZ1613-01L  
AZ1615-01L  
AZ2225-01L  
AZ5123-01F  
AZ5125-01H  
AZ5125-02S  
AZ5525-01F  
AZ5725-01F  
AZ5825-01F  
AZ5925-01H

### LED

AZ3103-01F  
AZ3105-01F  
AZ5525-01F  
AZ5725-01F

### Power/Reset

AZ3003-01G  
AZ3005-01G  
AZ4008-01G  
AZ4015-01G  
AZ4018-01G  
AZ4020-01G  
AZ4024-01G  
AZ4030-01G  
AZ4036-01G  
AZ4040-01G  
AZ4045-01G  
AZ4212-01G

## TVS Solution for Hand Held Portable Devices

### Antenna/WiFi/Bluetooth

AZ4617-01F  
AZ5215-01F  
AZ5325-01F  
AZ5323-01F  
AZ5B75-01B

### HDMI TMDS

AZ1023-04F  
AZ1143-04F

### HDMI Control Lines

AZC199-04S

### USB 2.0 D+, D-

AZ1515-04S  
AZ5213-02F  
AZ5325-01F  
AZ5413-01F  
AZ5515-02F  
AZ5B65-01F  
AZ5B85-01B  
AZC199-04S

### USB 3.1 Type-A

Total Solution  
AZ1365-06F

Tx, Rx

AZ1023-04F  
AZ5313-02F  
AZ5B85-01F  
AZ1045-02F  
AZ1045-04F  
AZ1043-04F  
AZ1143-04F  
AZ1743-04F

V<sub>BUS</sub>

AZ5825-01F  
AZ3105-01F

### USB 3.1 Type-C

Tx, Rx

AZ1765-04F  
AZ1023-04F  
AZ1023-02F  
AZ5B85-01F  
AZ5313-02F

D+, D-, CC and SBU

AZ1045-04F  
AZ1045-02F  
AZ5515-02F  
AZ5725-01F  
AZ5825-01F  
AZ5B65-01F

V<sub>BUS</sub>

AZ5825-01F  
AZ3105-01F

### USB 4.0 Tx/Rx

AZ5B85-01F

### USB V<sub>BUS</sub>-EOS

AZ5725-01F  
AZ5825-01F  
AZ3105-01F  
AZ3205-01F  
AZ4512-01F  
AZ4512-01L  
AZ4712-01F  
AZ4514-01F  
AZ4714-01F  
AZ4715-01F  
AZ4516-01F  
AZ4718-01F  
AZ4520-01F  
AZ4020-01F  
AZ4524-01F  
AZ4724-01F

### LAN 10/100/1000

AZ3125-08F  
AZ3133-08F  
AZ1515-04S  
AZ1513-04S

### Touch Panel-Control Lines

AZ5123-01F  
AZ5A75-01F  
AZ5125-02F  
AZ5725-01F

### Button/LED

AZ5123-01F  
AZ3105-01F  
AZ5725-01F  
AZ5A75-01F  
AZ5A23-01F

### SD Card

AZ5325-01F  
AZ5515-02F  
AZ5B65-01F  
AZ1045-02F  
AZ1045-04F

### SIM Card

AZ5515-02F  
AZ5325-01F  
AZ5413-01F  
AZ1143-04F  
AZ5B65-01F

### V<sub>BAT</sub>-EOS

AZ3105-01F  
AZ3205-01F  
AZ3505-01F  
AZ3705-01F

### Power

AZ6518-01F  
AZ3103-01F  
AZ3105-01F  
AZ5A23-01F  
AZ5A75-01F  
AZ5825-01F  
AZ5A85-01B  
AZ4012-01G  
AZ4024-01G

### Wireless Charger

AZ4510-01F  
AZ4512-01F  
AZ4712-01F

### Audio/MIC/Speaker

AZ5125-02F  
AZ5725-01F  
AZ5825-01F  
AZ5B45-01F  
AZ4208-01F  
AZ4212-01F  
AZ5A75-01F

### Pogo PIN

AZ5325-01F  
AZ5413-01F  
AZ1045-04F  
AZ1143-04F  
AZ1613-01L

## TVS Solutions for Automotive

### Entertainment System- HDMI TMDS Pairs

AZ9143-04F  
AZ9143-08F

### Entertainment System- HDMI Control Pin

AZ9115-04S  
AZ9C39-04S

### Wireless Module

AZ9565-01F  
AZ9568-01F  
AZ9173-01F

### USB 2.0

AZ9115-04S

### Panel MIPI Signal Lines

AZ9143-04F  
AZ9143-08F  
AZ9173-04F

### FPD-Link/GMSL/APIX

AZ9565-01F

### Panel - TCON Interface

AZ9143-04F  
AZ9143-08F  
AZ9173-04F

### Entertainment System- Power

AZ9525-01H  
AZ9585-01F  
AZ9412-01H  
AZ9712-01F  
AZ9812-01F  
AZ9625-01F

### Vehicle Tracker

AZ9143-04F

### Head Up Display- Signal

AZ9143-04F  
AZ9173-04F

### Head Up Display- Power

AZ9315-01F

### CAN BUS

AZ9424-02S

### LIN BUS

AZ9824-01L

### LED Driver

AZ9313-01F  
AZ9315-01F  
AZ9736-01F

### Digital Video Module

AZ9513-01F  
AZ9523-01F  
AZ9525-01H  
AZ9625-01F

### SD Card

AZ9143-04F  
AZ9173-04F

### Charger

AZ9436-01G

### Button/LED

AZ9525-01H

### Audio

AZ9585-01F

### Power

AZ9313-01F  
AZ9513-01F  
AZ9523-01F  
AZ9305-01G  
AZ9315-01F  
AZ9525-01H  
AZ9625-01F  
AZ9407-01H  
AZ9707-01F  
AZ9408-01G  
AZ9808-01F  
AZ9412-01G  
AZ9412-01H  
AZ9712-01F  
AZ9812-01F  
AZ9585-01F  
AZ9424-01F  
AZ9424-01H  
AZ9436-01G  
AZ9415-01G  
AZ9424-01G  
AZ9716-01F  
AZ9720-01F  
AZ9724-01F  
AZ9736-01F  
AZ9817-01F  
AZ9824-01F

## RS485/RS232/CAN Transceiver IC

### Out-Plant, Medical and Industrial Control System

High Surge, Slew Rate Limited RS485  
AZRS3082

High Surge, 10M High Data Rate RS485  
AZRS3088

3.3V, Extra High Data Rate RS485  
AZRS3078, AZRS6023

CAN Bus Transceiver  
AZCAN1040T

### Monitoring System Networks and IPC

3.3V, Extra High Data Rate RS485  
AZRS3076

3.3V, Slew Rate Limited RS485  
AZRS3082

5V RS485  
AZRS3080E  
AZRS6605

CAN Bus Transceiver  
AZKN1040T  
AZKN1044T (AEC-Q)

### Building Automation Networks

General RS485  
AZRS485

VOD2 Enhanced RS485  
AZRS485E

Polarity Free RS485  
AZRS485N  
AZRS5485  
AZRS5485N

### Automobile Electronics

CAN Bus (AEC-Q100)  
AZKN1044T

High Temperature  
AZRS6606



# ESD

## 有研發才有品牌有可靠的產品才有客戶的品牌忠誠度

半導體技術的進步，讓人手一支手持式裝置，這手持式裝置的功能也遠比半世紀前的電腦還要多，這兩者對可靠度的要求卻是一樣嚴格，耐溫耐壓，還可以連續接受無數次靜電的衝擊。

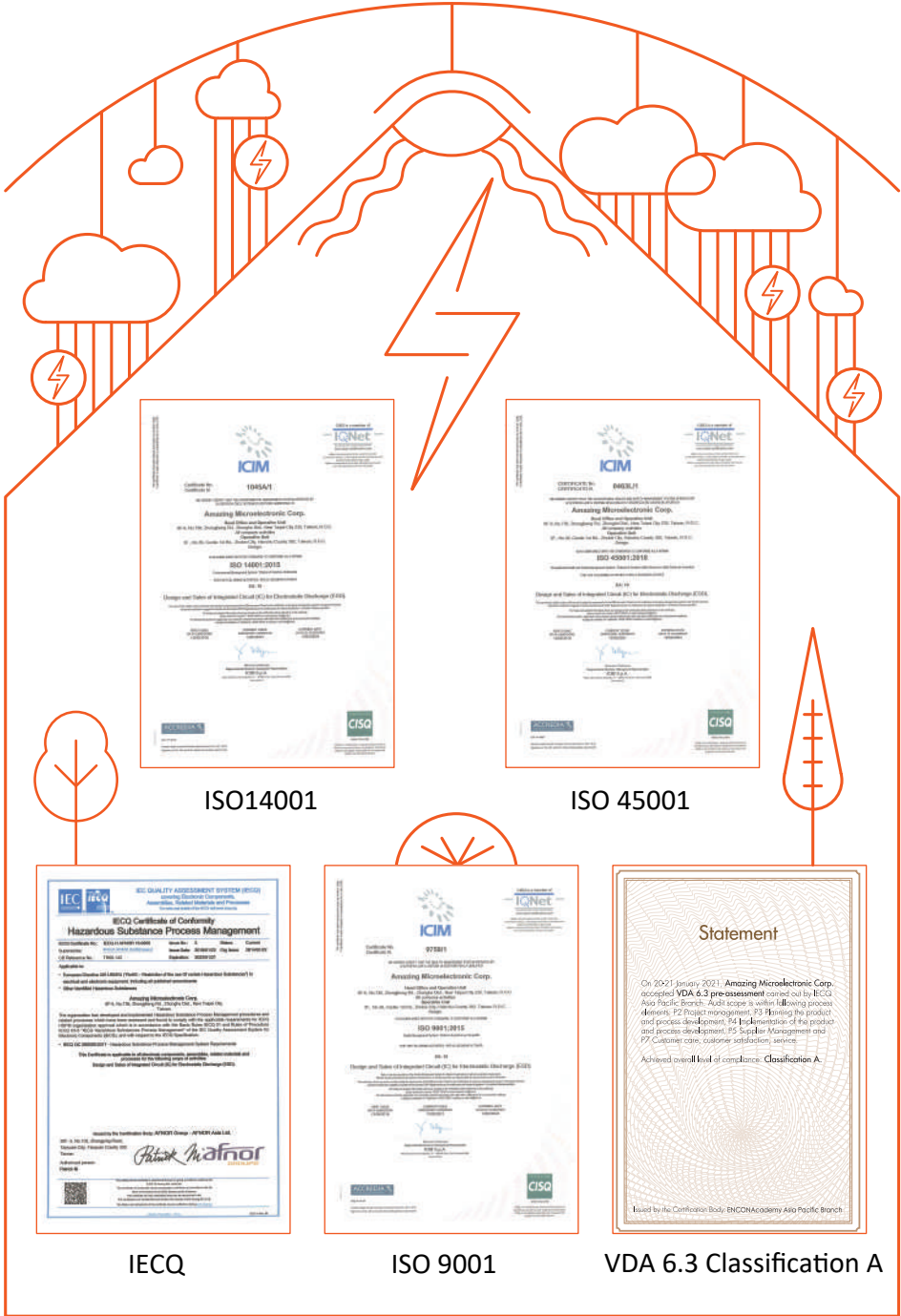
讓產品的可靠度表現向客戶說話，讓客戶的持續上門，認同公司，也是少數長存於市場公司的核心價值。

## Reliability Builds Brand

The Moore's Law defines the progress of the semiconductor development for the past decades, it also leads the huge computers which occupy a room to become a hand held device today. Both the huge computer and small hand held device share the same standard in reliability test. Except to pass the high temperature and high pressure test, it also has to pass the ESD standard.

Many respected companies provide the quality products to customers and have these reliable products to represent their company.

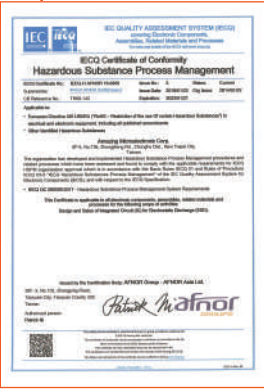
Only those great companies will have customers keep knocking the door for great products. Customers recognize the companies through their products. Reliability is the key for great brand.



ISO14001



ISO 45001



IECQ



ISO 9001



VDA 6.3 Classification A