



**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		I <sub>RM</sub> @ V <sub>RM</sub> max		V <sub>BR</sub> * @ I <sub>R</sub>			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo max		αT max	Package
Unidirectional	Bidirectional	(μA)	(V)	min	nom	max	(mA)	(V)	(A)	

400 W/1 ms expo.

I<sub>FSM</sub> = 50 A - 10 ms for unidirectional

<a href="#">BZW04P5V8</a>	<a href="#">BZW04P5V8B</a>	1000	5.8	6.45	6.8	7.48	10	10.5	38	5.7	F126 PLASTIC
<a href="#">BZW04-5V8</a>	<a href="#">BZW04-5V8B</a>	1000	5.8	6.45	6.8	7.14	10	10.5	38	5.7	
<a href="#">BZW04P6V4</a>	<a href="#">BZW04P6V4B</a>	500	6.4	7.13	7.5	8.25	10	11.3	35.4	6.1	
<a href="#">BZW04-6V4</a>	<a href="#">BZW04-6V4B</a>	500	6.4	7.13	7.5	7.88	10	11.3	35.4	6.1	
<a href="#">BZW04P7V0</a>	<a href="#">BZW04P7V0B</a>	200	7.02	7.79	8.2	9.02	10	12.1	33	6.5	
<a href="#">BZW04-7V0</a>	<a href="#">BZW04-7V0B</a>	200	7.02	7.79	8.2	8.61	10	12.1	33	6.5	
<a href="#">BZW04P7V8</a>	<a href="#">BZW04P7V8B</a>	50	7.78	8.65	9.1	10.0	1	13.4	30	6.8	
<a href="#">BZW04-7V8</a>	<a href="#">BZW04-7V8B</a>	50	7.78	8.65	9.1	9.55	1	13.4	30	6.8	
<a href="#">BZW04P8V5</a>	<a href="#">BZW04P8V5B</a>	10	8.55	9.50	10	11.0	1	14.5	27.6	7.3	
<a href="#">BZW04-8V5</a>	<a href="#">BZW04-8V5B</a>	10	8.55	9.50	10	10.50	1	14.5	27.6	7.3	
<a href="#">BZW04P9V4</a>	<a href="#">BZW04P9V4B</a>	5	9.4	10.5	11	12.1	1	15.6	25.7	7.5	
<a href="#">BZW04-9V4</a>	<a href="#">BZW04-9V4B</a>	5	9.4	10.5	11	11.6	1	15.6	25.7	7.5	
<a href="#">BZW04P10</a>	<a href="#">BZW04P10B</a>	5	10.2	11.4	12	13.2	1	16.7	24	7.8	
<a href="#">BZW04-10</a>	<a href="#">BZW04-10B</a>	5	10.2	11.4	12	12.6	1	16.7	24	7.8	
<a href="#">BZW04P11</a>	<a href="#">BZW04P11B</a>	5	11.1	12.4	13	14.3	1	18.2	22	8.1	
<a href="#">BZW04-11</a>	<a href="#">BZW04-11B</a>	5	11.1	12.4	13	13.7	1	18.2	22	8.1	
<a href="#">BZW04P13</a>	<a href="#">BZW04P13B</a>	5	12.8	14.3	15	16.5	1	21.2	19	8.4	
<a href="#">BZW04-13</a>	<a href="#">BZW04-13B</a>	5	12.8	14.3	15	15.8	1	21.2	19	8.4	
<a href="#">BZW04P14</a>	<a href="#">BZW04P14B</a>	5	13.6	15.2	16	17.6	1	22.5	17.8	8.6	
<a href="#">BZW04-14</a>	<a href="#">BZW04-14B</a>	5	13.6	15.2	16	16.8	1	22.5	17.8	8.6	
<a href="#">BZW04P15</a>	<a href="#">BZW04P15B</a>	5	15.3	17.1	18	19.8	1	25.2	16	8.8	
<a href="#">BZW04-15</a>	<a href="#">BZW04-15B</a>	5	15.3	17.1	18	18.9	1	25.2	16	8.8	
<a href="#">BZW04P19</a>	<a href="#">BZW04P19B</a>	5	18.8	20.9	22	24.2	1	30.6	13	9.2	
<a href="#">BZW04-19</a>	<a href="#">BZW04-19B</a>	5	18.8	20.9	22	23.1	1	30.6	13	9.2	
<a href="#">BZW04P20</a>	<a href="#">BZW04P20B</a>	5	20.5	22.8	24	26.4	1	33.2	12	9.4	
<a href="#">BZW04-20</a>	<a href="#">BZW04-20B</a>	5	20.5	22.8	24	25.2	1	33.2	12	9.4	
<a href="#">BZW04P23</a>	<a href="#">BZW04P23B</a>	5	23.1	25.7	27	29.7	1	37.5	10.7	9.6	
<a href="#">BZW04-23</a>	<a href="#">BZW04-23B</a>	5	23.1	25.7	27	28.4	1	37.5	10.7	9.6	
<a href="#">BZW04P26</a>	<a href="#">BZW04P26B</a>	5	25.6	28.5	30	33	1	41.5	9.6	9.7	
<a href="#">BZW04-26</a>	<a href="#">BZW04-26B</a>	5	25.6	28.5	30	31.5	1	41.5	9.6	9.7	
<a href="#">BZW04P28</a>	<a href="#">BZW04P28B</a>	5	28.2	31.4	33	36.3	1	45.7	8.8	9.8	
<a href="#">BZW04-28</a>	<a href="#">BZW04-28B</a>	5	28.2	31.4	33	34.7	1	45.7	8.8	9.8	
<a href="#">BZW04P31</a>	<a href="#">BZW04P31B</a>	5	30.8	34.2	36	39.6	1	49.9	8	9.9	
<a href="#">BZW04-31</a>	<a href="#">BZW04-31B</a>	5	30.8	34.2	36	37.8	1	49.9	8	9.9	
<a href="#">BZW04P33</a>	<a href="#">BZW04P33B</a>	5	33.3	37.1	39	42.9	1	53.9	7.4	10.0	
<a href="#">BZW04-33</a>	<a href="#">BZW04-33B</a>	5	33.3	37.1	39	41	1	53.9	7.4	10.0	

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2%.

For axial use "RL" suffix for delivery in tape and reel.

Other voltages could be available on request. Contact factory.

**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		I <sub>RM</sub> @ V <sub>RM</sub> max		V <sub>BR</sub> * @ I <sub>R</sub>			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo max		αT max	Package
Unidirectional	Bidirectional	(μA)	(V)	min	nom	max	(mA)	(V)	(A)	

400 W/1 ms expo. (cont'd)

I<sub>FSM</sub> = 50 A - 10 ms for unidirectional

<a href="#">BZW04P37</a>	<a href="#">BZW04P37B</a>	5	36.8	40.9	43	47.3	1	59.3	6.7	10.1	F126 PLASTIC
<a href="#">BZW04-37</a>	<a href="#">BZW04-37B</a>	5	36.8	40.9	43	45.2	1	59.3	6.7	10.1	
<a href="#">BZW04P48</a>	<a href="#">BZW04P48B</a>	5	47.8	53.2	56	61.6	1	77	5.2	10.3	
<a href="#">BZW04-48</a>	<a href="#">BZW04-48B</a>	5	47.8	53.2	56	58.8	1	77	5.2	10.3	
<a href="#">BZW04P58</a>	<a href="#">BZW04P58B</a>	5	58.1	64.6	68	74.8	1	92	4.3	10.4	
<a href="#">BZW04-58</a>	<a href="#">BZW04-58B</a>	5	58.1	64.6	68	71.4	1	92	4.3	10.4	
<a href="#">BZW04P64</a>	<a href="#">BZW04P64B</a>	5	64.1	71.3	75	82.5	1	103	3.9	10.5	
<a href="#">BZW04-64</a>	<a href="#">BZW04-64B</a>	5	64.1	71.3	75	78.8	1	103	3.9	10.5	
<a href="#">BZW04P70</a>	<a href="#">BZW04P70B</a>	5	70.1	77.9	82	90.2	1	113	3.5	10.5	
<a href="#">BZW04-70</a>	<a href="#">BZW04-70B</a>	5	70.1	77.9	82	86.1	1	113	3.5	10.5	
<a href="#">BZW04P78</a>	<a href="#">BZW04P78B</a>	5	77.8	86.5	91	100	1	125	3.2	10.6	
<a href="#">BZW04-78</a>	<a href="#">BZW04-78B</a>	5	77.8	86.5	91	95.5	1	125	3.2	10.6	
<a href="#">BZW04P85</a>	<a href="#">BZW04P85B</a>	5	85.5	95	100	100	1	137	2.9	10.6	
<a href="#">BZW04-85</a>	<a href="#">BZW04-85B</a>	5	85.5	95	100	105	1	137	2.9	10.6	
<a href="#">BZW04P111</a>	<a href="#">BZW04P111B</a>	5	111	124	130	143	1	179	2.2	10.7	
<a href="#">BZW04-111</a>	<a href="#">BZW04-111B</a>	5	111	124	130	137	1	179	2.2	10.7	
<a href="#">BZW04P128</a>	<a href="#">BZW04P128B</a>	5	128	143	150	165	1	207	2.0	10.8	
<a href="#">BZW04-128</a>	<a href="#">BZW04-128B</a>	5	128	143	150	158	1	207	2.0	10.8	
<a href="#">BZW04P136</a>	<a href="#">BZW04P136B</a>	5	136	152	160	176	1	219	1.8	10.8	
<a href="#">BZW04-136</a>	<a href="#">BZW04-136B</a>	5	136	152	160	168	1	219	1.8	10.8	
<a href="#">BZW04P145</a>	<a href="#">BZW04P145B</a>	5	145	161	170	187	1	234	1.7	10.8	
<a href="#">BZW04-145</a>	<a href="#">BZW04-145B</a>	5	145	161	170	179	1	234	1.7	10.8	
<a href="#">BZW04P154</a>	<a href="#">BZW04P154B</a>	5	154	171	180	198	1	246	1.6	10.8	
<a href="#">BZW04-154</a>	<a href="#">BZW04-154B</a>	5	154	171	180	189	1	246	1.6	10.8	
<a href="#">BZW04P188</a>	<a href="#">BZW04P188B</a>	5	188	209	220	242	1	301	1.4	10.8	
<a href="#">BZW04-188</a>	<a href="#">BZW04-188B</a>	5	188	209	220	231	1	301	1.4	10.8	
<a href="#">BZW04P213</a>	<a href="#">BZW04P213B</a>	5	213	237	250	275	1	344	1.5	11	
<a href="#">BZW04-213</a>	<a href="#">BZW04-213B</a>	5	213	237	250	263	1	344	1.5	11	
<a href="#">BZW04P239</a>	<a href="#">BZW04P239B</a>	5	239	266	280	308	1	384	1.5	11	
<a href="#">BZW04-239</a>	<a href="#">BZW04-239B</a>	5	239	266	280	294	1	384	1.5	11	
<a href="#">BZW04P256</a>	<a href="#">BZW04P256B</a>	5	256	285	300	330	1	414	1.2	11	
<a href="#">BZW04-256</a>	<a href="#">BZW04-256B</a>	5	256	285	300	315	1	414	1.2	11	
<a href="#">BZW04P299</a>	<a href="#">BZW04P299B</a>	5	299	332	350	385	1	482	0.9	11	
<a href="#">BZW04-299</a>	<a href="#">BZW04-299B</a>	5	299	332	350	368	1	482	0.9	11	
<a href="#">BZW04P342</a>	<a href="#">BZW04P342B</a>	5	342	380	400	440	1	548	0.9	11	
<a href="#">BZW04-342</a>	<a href="#">BZW04-342B</a>	5	342	380	400	420	1	548	0.9	11	
<a href="#">BZW04P376</a>	<a href="#">BZW04P376B</a>	5	376	418	440	484	1	603	0.8	11	
<a href="#">BZW04-376</a>	<a href="#">BZW04-376B</a>	5	376	418	440	462	1	603	0.8	11	

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2%.

For axial use "RL" suffix for delivery in tape and reel.

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**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		$I_{RM}$ @ $V_{RM}$ max		$V_{BR}$ @ $R$ min nom max note 1				$V_{CL}$ @ $I_{PP}$ max 10/1000 $\mu$ s		$V_{CL}$ @ $I_{PP}$ max 8/20 $\mu$ s		$\alpha T$ max note2	C typ note3	Package
Unidirect.	Bidirect.	$\mu$ A	(V)	V	V	V	(mA)	(V)	(A)	(V)	(A)	(10 <sup>-4</sup> /°C)	pF	

**600 W/1 ms expo.****I<sub>FSM</sub> = 100 A - 10 ms for unidirectional**

BZW06P5V8	BZW06P5V8B	1000	5.8	6.45	6.8	7.48	10	10.5	57	13.4	298	5.7	4000	F126 PLASTIC
BZW06-5V8	BZW06-5V8B	1000	5.8	6.45	6.8	7.14	10	10.5	57	13.4	298	5.7	4000	
BZW06P6V4	BZW06P6V4B	500	6.4	7.13	7.5	8.25	10	11.3	53	14.5	276	6.1	3700	
BZW06-6V4	BZW06-6V4B	500	6.4	7.13	7.5	7.88	10	11.3	53	14.5	276	6.1	3700	
BZW06P7V0	BZW06P7V0B	200	7.02	7.79	8.2	9.02	10	12.1	50	15.5	258	6.5	3400	
BZW06-7V0	BZW06-7V0B	200	7.02	7.79	8.2	8.61	10	12.1	50	15.5	258	6.5	3400	
BZW06P7V8	BZW06P7V8B	50	7.78	8.65	9.1	10	1	13.4	45	17.1	234	6.8	3100	
BZW06-7V8	BZW06-7V8B	50	7.78	8.65	9.1	9.55	1	13.4	45	17.1	234	6.8	3100	
BZW06P8V5	BZW06P8V5B	10	8.55	9.5	10	11	1	14.5	41	18.6	215	7.3	2800	
BZW06-8V5	BZW06-8V5B	10	8.55	9.5	10	10.5	1	14.5	41	18.6	215	7.3	2800	
BZW06P9V4	BZW06P9V4B	5	9.4	10.5	11	12.1	1	15.6	38	20.3	197	7.5	2500	
BZW06-9V4	BZW06-9V4B	5	9.4	10.5	11	11.6	1	15.6	38	20.3	197	7.5	2500	
BZW06P10	BZW06-9V4B	5	10.2	11.4	12	13.2	1	16.7	36	21.7	184	7.8	2300	
BZW06-10	BZW06-10B	5	10.2	11.4	12	12.6	1	16.7	36	21.7	184	7.8	2300	
BZW06P11	BZW06P11B	5	11.1	12.4	13	14.3	1	18.2	33	23.6	169	8.1	2150	
BZW06-11	BZW06-11B	5	11.1	12.4	13	13.7	1	18.2	33	23.6	169	8.1	2150	
BZW06P13	BZW06P13B	5	12.8	14.3	15	16.5	1	21.2	28	27.2	147	8.4	1900	
BZW06-13	BZW06-13B	5	12.8	14.3	15	15.8	1	21.2	28	27.2	147	8.4	1900	
BZW06P14	BZW06P14B	5	13.6	15.2	16	17.6	1	22.5	27	28.9	138	8.6	1800	
BZW06-14	BZW06-14B	5	13.6	15.2	16	16.8	1	22.5	27	28.9	138	8.6	1800	
BZW06P15	BZW06P15B	5	15.3	17.1	18	19.8	1	25.2	24	32.5	123	8.8	1600	
BZW06-15	BZW06-15B	5	15.3	17.1	18	18.9	1	25.2	24	32.5	123	8.8	1600	
BZW06P17	BZW06P17B	5	17.1	19	20	22	1	27.7	22	36.1	111	9.0	1500	
BZW06-17	BZW06-17B	5	17.1	19	20	21	1	27.7	22	36.1	111	9.0	1500	
BZW06P19	BZW06P19B	5	18.8	20.9	22	24.2	1	30.6	20	39.3	102	9.2	1350	
BZW06-19	BZW06-19B	5	18.8	20.9	22	23.1	1	30.6	20	39.3	102	9.2	1350	
BZW06P20	BZW06P20B	5	20.5	22.8	24	26.4	1	33.2	18	42.8	93	9.4	1250	
BZW06-20	BZW06-20B	5	20.5	22.8	24	25.2	1	33.2	18	42.8	93	9.4	1250	
BZW06P23	BZW06P23B	5	23.1	25.7	27	29.7	1	37.5	16	48.3	83	9.6	1150	
BZW06-23	BZW06-23B	5	23.1	25.7	27	28.4	1	37.5	16	48.3	83	9.6	1150	
BZW06P26	BZW06P26B	5	25.6	28.5	30	33	1	41.5	14.5	53.5	75	9.7	1075	
BZW06-26	BZW06-26B	5	25.6	28.5	30	31.5	1	41.5	14.5	53.5	75	9.7	1075	
BZW06P28	BZW06P28B	5	28.2	31.4	33	36.3	1	45.7	13.1	59.0	68	9.8	1000	
BZW06-28	BZW06-28B	5	28.2	31.4	33	34.7	1	45.7	13.1	59.0	68	9.8	1000	
BZW06P31	BZW06P31B	5	30.8	34.2	36	39.6	1	49.9	12	64.3	62	9.9	950	
BZW06-31	BZW06-31B	5	30.8	34.2	36	37.8	1	49.9	12	64.3	62	9.9	950	
BZW06P33	BZW06P33B	5	33.3	37.1	39	42.9	1	53.9	11.1	69.7	57	10.0	900	
BZW06-33	BZW06-33B	5	33.3	37.1	39	41.0	1	53.9	11.1	69.7	57	10.0	900	
BZW06P37	BZW06P37B	5	36.8	40.9	43	47.3	1	59.3	10.1	76.8	52	10.1	850	
BZW06-37	BZW06-37B	5	36.8	40.9	43	45.2	1	59.3	10.1	76.8	52	10.1	850	
BZW06P40	BZW06P40B	5	40.2	44.7	47	51.7	1	64.8	9.3	84	48	10.1	800	
BZW06-40	BZW06-40B	5	40.2	44.7	47	49.4	1	64.8	9.3	84	48	10.1	800	
BZW06P44	BZW06P44B	5	43.6	48.5	51	56.1	1	70.1	8.6	91	44	10.2	750	
BZW06-44	BZW06-44B	5	43.6	48.5	51	53.6	1	70.1	8.6	91	44	10.2	750	
BZW06P48	BZW06P48B	5	47.8	53.2	56	61.6	1	77	7.8	100	40	10.3	700	
BZW06-48	BZW06-48B	5	47.8	53.2	56	58.8	1	77	7.8	100	40	10.3	700	

Note 1: Pulse test:  $t_p < 50$  ms.Note 2:  $\Delta V_{BR} = \alpha T * (T_{amb} - 25) * V_{BR} (25^\circ C)$ Note 3:  $V_R = 0$  V,  $F = 1$  MHz. For bidirectional types, capacitance value is divided by 2.

**TRANSILs**



**GENERAL PURPOSE TRANSIENT SUPPRESSORS (cont'd)**

Type		I <sub>RM</sub> @ V <sub>RM</sub> max		V <sub>BR</sub> @ I <sub>R</sub> min nom max note 1				V <sub>CL</sub> @ I <sub>PP</sub> max 10/1000µs		V <sub>CL</sub> @ I <sub>PP</sub> max 8/20µs		αT max note2	C typ note3	Package
Unidirect.	Bidirect.	µA	(V)	V	V	V	(mA)	(V)	(A)	(V)	(A)	(10 <sup>-4</sup> /°C)	pF	

600 W/1 ms expo.

I<sub>FSM</sub> = 100 A - 10 ms for unidirectional

BZW06P53	BZW06P53B	5	53.0	58.9	62	68.2	1	85	7.1	111	36	10.4	650	F126 PLASTIC
BZW06-53	BZW06-53B	5	53.0	58.9	62	65.1	1	85	7.1	111	36	10.4	650	
BZW06P58	BZW06P58B	5	58.1	64.6	68	74.8	1	92	6.5	121	33	10.4	625	
BZW06-58	BZW06-58B	5	58.1	64.6	68	71.4	1	92	6.5	121	33	10.4	625	
BZW06P64	BZW06P64B	5	64.1	71.3	75	82.5	1	103	5.8	134	30	10.5	575	
BZW06-64	BZW06-64B	5	64.1	71.3	75	78.8	1	103	5.8	134	30	10.5	575	
BZW06P70	BZW06P70B	5	70.1	77.9	82	90.2	1	113	5.3	146	27	10.5	550	
BZW06-70	BZW06-70B	5	70.1	77.9	82	86.1	1	113	5.3	146	27	10.5	550	
BZW06P78	BZW06P78B	5	77.8	86.5	91	100	1	125	4.8	162	25	10.6	525	
BZW06-78	BZW06-78B	5	77.8	86.5	91	95.5	1	125	4.8	162	25	10.6	525	
BZW06P85	BZW06P85B	5	85.5	95.0	100	110	1	137	4.4	178	22.5	10.6	500	
BZW06-85	BZW06-85B	5	85.5	95.0	100	105	1	137	4.4	178	22.5	10.6	500	
BZW06P94	BZW06P94B	5	94.0	105	110	121	1	152	3.9	195	20.5	10.7	470	
BZW06-94	BZW06-94B	5	94.0	105	110	116	1	152	3.9	195	20.5	10.7	470	
BZW06P102	BZW06P102B	5	102	114	120	132	1	165	3.6	212	19	10.7	450	
BZW06-102	BZW06-102B	5	102	114	120	126	1	165	3.6	212	19	10.7	450	
BZW06P111	BZW06P111B	5	111	124	130	143	1	179	3.4	230	17.5	10.7	420	
BZW06-111	BZW06-111B	5	111	124	130	137	1	179	3.4	230	17.5	10.7	420	
BZW06P128	BZW06P128B	5	128	143	150	165	1	207	2.9	265	15	10.8	400	
BZW06-128	BZW06-128B	5	128	143	150	158	1	207	2.9	265	15	10.8	400	
BZW06P136	BZW06P136B	5	136	152	160	176	1	219	2.7	282	14	10.8	380	
BZW06-136	BZW06-136B	5	136	152	160	168	1	219	2.7	282	14	10.8	380	
BZW06P145	BZW06P145B	5	145	161	170	187	1	234	2.6	301	13	10.8	370	
BZW06-145	BZW06-145B	5	145	161	170	179	1	234	2.6	301	13	10.8	370	
BZW06P154	BZW06P154B	5	154	171	180	198	1	246	2.4	317	12.6	10.8	360	
BZW06-154	BZW06-154B	5	154	171	180	189	1	246	2.4	317	12.6	10.8	360	
BZW06P171	BZW06P171B	5	171	190	200	220	1	274	2.2	353	11.3	10.8	350	
BZW06-171	BZW06-171B	5	171	190	200	210	1	274	2.2	353	11.3	10.8	350	
BZW06P188	BZW06P188B	5	188	209	220	242	1	328	2	388	10.3	10.8	330	
BZW06-188	BZW06-188B	5	188	209	220	231	1	328	2	388	10.3	10.8	330	
BZW06P213	BZW06P213B	5	213	237	250	275	1	344	2	442	9	11	310	
BZW06-213	BZW06-213B	5	231	237	250	263	1	344	2	442	9	11	310	
BZW06P239	BZW06P239B	5	239	266	280	308	1	384	2	494	8	11	300	
BZW06-239	BZW06-239B	5	239	266	280	294	1	384	2	494	8	11	300	
BZW06P256	BZW06P256B	5	256	285	300	330	1	414	1.6	529	7.6	11	290	
BZW06-256	BZW06-256B	5	256	285	300	315	1	414	1.6	529	7.6	11	290	
BZW06P273	BZW06P273B	5	273	304	320	352	1	438	1.6	564	7.1	11	280	
BZW06-273	BZW06-273B	5	273	304	320	336	1	438	1.6	564	7.1	11	280	
BZW06P299	BZW06P299B	5	299	332	350	385	1	482	1.6	618	6.5	11	270	
BZW06-299	BZW06-299B	5	299	332	350	368	1	482	1.6	618	6.5	11	270	
BZW06P342	BZW06P342B	5	342	380	400	440	1	548	1.3	706	5.7	11	360	
BZW06-342	BZW06-342B	5	342	380	400	420	1	548	1.3	706	5.7	11	360	
BZW06P376	BZW06P376B	5	376	418	440	484	1	603	1.3	776	5.7	11	350	
BZW06-376	BZW06-376B	5	376	418	440	462	1	603	1.3	776	5.7	11	350	

Note 1: Pulse test: tp < 50 ms.

Note 2: ΔV<sub>BR</sub> = αT \* (T<sub>amb</sub> - 25) \* V<sub>BR</sub> (25°C)

Note 3: V<sub>R</sub> = 0 V, F = 1 MHz. For bidirectional types, capacitance value is divided by 2.

**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		Marking		I <sub>RM</sub> @ V <sub>RM</sub> max		V <sub>BR</sub> * @ k			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo max		αT max	Package
Unidirectional	Bidirectional	Unidir.	Bidir.	(μA)	(V)	min	nom	max	(mA)	(V)	(A)	

**400 W/1 ms expo.****I<sub>FSM</sub> = 50 A - 10 ms for unidirectional**

SM4T 6V8A	SM4T 6V8CA	QE	VE	1000	5.8	6.45	6.8	7.14	10	10.5	38	5.7	SMB PLASTIC
SM4T 7V5A	SM4T 7V5CA	QG	VG	500	6.4	7.13	7.5	7.88	10	11.3	35.4	6.1	
SM4T 10A	SM4T 10CA	QP	VP	10	8.55	9.5	10	10.5	1	14.5	27.6	7.3	
SM4T 12A	SM4T 12CA	QT	V T	5	10.2	11.4	12	12.6	1	16.7	24	7.8	
SM4T 15A	SM4T 15CA	QX	VX	5	12.8	14.3	15	15.8	1	21.2	19	8.4	
SM4T 18A	SM4T 18CA	RE	UE	5	15.3	17.1	18	18.9	1	25.2	16	8.8	
SM4T 22A	SM4T 22CA	RK	UK	5	18.8	20.9	22	23.1	1	30.6	13	9.2	
SM4T 24A	SM4T 24CA	RM	UM	5	20.5	22.8	24	25.2	1	33.2	12	9.4	
SM4T 27A	SM4T 27C	RN	UN	5	21.8	24.3	27	29.7	1	39.1	10.2	9.6	
SM4T 27A	SM4T 27CA	RP	UP	5	23.1	25.7	27	28.4	1	37.5	10.7	9.6	
SM4T 30A	SM4T 30CA	RR	UR	5	25.6	28.5	30	31.5	1	41.5	9.6	9.7	
SM4T 33A	SM4T 33CA	RT	UT	5	28.2	31.4	33	34.7	1	45.7	8.8	9.8	
SM4T 36A	SM4T 36CA	RV	UV	5	30.8	34.2	36	37.8	1	49.9	8	9.9	
SM4T 39A	SM4T 39CA	RX	UX	5	33.3	37.1	39	41	1	53.9	7.4	10.0	
SM4T 68A	SM4T 68CA	SP	WP	5	58.1	64.6	68	71.4	1	92	4.3	10.4	
SM4T 75A	SM4T 75CA	SR	WR	5	64.1	71.3	75	78.8	1	103	3.9	10.5	
SM4T 100A	SM4T 100CA	SX	WX	5	85.5	95	100	105	1	137	2.9	10.6	
SM4T 150	SM4T 150C	TH	XH	5	121	135	150	165	1	215	1.9	10.8	
SM4T 150A	SM4T 150CA	TK	XK	5	128	143	150	158	1	207	2	10.8	
SM4T 200	SM4T 200C	TS	XS	5	162	180	200	220	1	287	1.4	10.8	
SM4T 200A	SM4T 200CA	T T	XT	5	171	190	200	210	1	274	1.5	10.8	
SM4T 220	SM4T 220C	TU	XU	5	178	198	220	242	1	315	1.3	10.8	
SM4T 220A	SM4T 220CA	TV	XV	5	188	209	220	231	1	301	1.4	10.8	

\* Pulse test  $t_p \leq 50$  ms  $\delta < 2\%$ .

Other voltages could be available on request. Contact factory.

## GENERAL PURPOSE TRANSIENT SUPPRESSORS

Type		$I_{RM}$ @ $V_{RM}$		$V_{BR}^*$ @ $I_R$			$V_{CL}$ @ $I_{PP}$ 1 ms expo		$\alpha T$	Package
Unidirectional	Bidirectional	max	#	min	nom	max	max	max		
		( $\mu A$ )	(V)				(mA)	(V)	(A)	( $10^{-4}/^{\circ}C$ )

600 W/1 ms expo.

 $I_{FSM} = 100 A - 10 ms$  for unidirectional

P6KE 6V8P	P6KE 6V8CP	1000	5.8	6.45	6.8	7.48	10	10.5	57	5.7	CB417 PLASTIC
P6KE 6V8A	P6KE 6V8CA	1000	5.8	6.45	6.8	7.14	10	10.5	57	5.7	
P6KE 7V5P	P6KE 7V5CP	500	6.4	7.13	7.5	8.25	10	11.3	53	6.1	
P6KE 7V5A	P6KE 7V5CA	500	6.4	7.13	7.5	7.88	10	11.3	53	6.1	
P6KE 8V2P	P6KE 8V2CP	200	7.02	7.79	8.2	9.02	10	12.1	50	6.5	
P6KE 8V2A	P6KE 8V2CA	200	7.02	7.79	8.2	8.61	10	12.1	50	6.5	
P6KE 9V1P	P6KE 9V1CP	50	7.78	8.65	9.1	10	1	13.4	45	6.8	
P6KE 9V1A	P6KE 9V1CA	50	7.78	8.65	9.1	9.55	1	13.4	45	6.8	
P6KE 10P	P6KE 10CP	10	8.55	9.5	10	11	1	14.5	41	7.3	
P6KE 10A	P6KE 10CA	10	8.55	9.5	10	10.5	1	14.5	41	7.3	
P6KE 12P	P6KE 12CP	5	10.2	11.4	12	13.2	1	16.7	36	7.8	
P6KE 12A	P6KE 12CA	5	10.2	11.4	12	12.6	1	16.7	36	7.8	
P6KE 13P	P6KE 13CP	5	11.1	12.4	13	14.3	1	18.2	33	8.1	
P6KE 13A	P6KE 13CA	5	11.1	12.4	13	13.7	1	18.2	33	8.1	
P6KE 15P	P6KE 15CP	5	12.8	14.3	15	16.5	1	21.2	28	8.4	
P6KE 15A	P6KE 15CA	5	12.8	14.3	15	15.8	1	21.2	28	8.4	
P6KE 16P	P6KE 16CP	5	13.6	15.2	16	17.6	1	22.5	27	8.6	
P6KE 16A	P6KE 16CA	5	13.6	15.2	16	16.8	1	22.5	27	8.6	
P6KE 18P	P6KE 18CP	5	15.3	17.1	18	19.8	1	25.2	24	8.8	
P6KE 18A	P6KE 18CA	5	15.3	17.1	18	18.9	1	25.2	24	8.8	
P6KE 20P	P6KE 20CP	5	17.1	19	20	22	1	27.7	22	9.0	
P6KE 20A	P6KE 20CA	5	17.1	19	20	21	1	27.7	22	9.0	
P6KE 22P	P6KE 22CP	5	18.8	20.9	22	24.2	1	30.6	20	9.2	
P6KE 22A	P6KE 22CA	5	18.8	20.9	22	23.1	1	30.6	20	9.2	
P6KE 24P	P6KE 24CP	5	20.5	22.8	24	26.4	1	33.2	18	9.4	
P6KE 24A	P6KE 24CA	5	20.5	22.8	24	25.2	1	33.2	18	9.4	
P6KE 27P	P6KE 27CP	5	23.1	25.7	27	29.7	1	37.5	16	9.6	
P6KE 27A	P6KE 27CA	5	23.1	25.7	27	28.4	1	37.5	16	9.6	
P6KE 30P	P6KE 30CP	5	25.6	28.5	30	33	1	41.5	14.5	9.7	
P6KE 30A	P6KE 30CA	5	25.6	28.5	30	31.5	1	41.5	14.5	9.7	
P6KE 33P	P6KE 33CP	5	28.2	31.4	33	36.3	1	45.7	13.1	9.8	
P6KE 33A	P6KE 33CA	5	28.2	31.4	33	34.7	1	45.7	13.1	9.8	
P6KE 36P	P6KE 36CP	5	30.8	34.2	36	39.6	1	49.9	12	9.9	
P6KE 36A	P6KE 36CA	5	30.8	34.2	36	37.8	1	49.9	12	9.9	
P6KE 39P	P6KE 39CP	5	33.3	37.1	39	42.9	1	53.9	11.1	10.0	
P6KE 39A	P6KE 39CA	5	33.3	37.1	39	41	1	53.9	11.1	10.0	
P6KE 47P	P6KE 47CP	5	40.2	44.7	47	51.7	1	64.8	9.3	10.1	
P6KE 47A	P6KE 47CA	5	40.2	44.7	47	49.4	1	64.8	9.3	10.1	
P6KE 51P	P6KE 51CP	5	43.6	48.5	51	56.1	1	70.1	8.6	10.2	
P6KE 51A	P6KE 51CA	5	43.6	48.5	51	53.6	1	70.1	8.6	10.2	
P6KE 56P	P6KE 56CP	5	47.8	53.2	56	61.6	1	77	7.8	10.3	
P6KE 56A	P6KE 56CA	5	47.8	53.2	56	58.8	1	77	7.8	10.3	
P6KE 62P	P6KE 62CP	5	53	58.9	62	68.2	1	85	7.1	10.4	
P6KE 62A	P6KE 62CA	5	53	58.9	62	65.1	1	85	7.1	10.4	
P6KE 68P	P6KE 68CP	5	58.1	64.6	68	74.8	1	92	6.5	10.4	
P6KE 68A	P6KE 68CA	5	58.1	64.6	68	71.4	1	92	6.5	10.4	
P6KE 75P	P6KE 75CP	5	64.1	71.3	75	82.5	1	103	5.8	10.5	

\* Pulse test  $t_p \leq 50 ms$   $\delta < 2\%$ .# For bidirectional types P6KE 6V8CP  $\rightarrow$  P6KE 11 CA,  $I_{RM}$  must be double that specified for unidirectional types.

For axial use "RL" suffix for delivery in tape and reel.

Other voltages could be available on request. Contact factory.

**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		$I_{RM}$ @ $V_{RM}$		$V_{BR}^*$ @ $I_R$			$V_{CL}$ @ $I_P$ 1 ms expo max		$\alpha T$ max	Package
Unidirectional	Bidirectional	max	#	min	nom	max	(mA)	(V)	(A)	

600 W/1 ms expo. (cont'd)

 $I_{FSM} = 100 A - 10 ms$  for unidirectional

P6KE 75A	P6KE 75CA	5	64.1	71.3	75	78.8	1	103	5.8	10.5	CB417 PLASTIC
P6KE 82P	P6KE 82CP	5	70.1	77.9	82	90.2	1	113	5.3	10.5	
P6KE 82A	P6KE 82CA	5	70.1	77.9	82	86.1	1	113	5.3	10.5	
P6KE 100P	P6KE 100CP	5	85.5	95	100	110	1	137	4.4	10.6	
P6KE 100A	P6KE 100CA	5	85.5	95	100	105	1	137	4.4	10.6	
P6KE 130P	P6KE 130CP	5	111	124	130	143	1	179	3.4	10.7	
P6KE 130A	P6KE 130CA	5	111	124	130	137	1	179	3.4	10.7	
P6KE 150P	P6KE 150CP	5	128	143	150	165	1	207	2.9	10.8	
P6KE 150A	P6KE 150CA	5	128	143	150	158	1	207	2.9	10.8	
P6KE 160P	P6KE 160CP	5	136	152	160	176	1	219	2.7	10.8	
P6KE 160A	P6KE 160CA	5	136	152	160	168	1	219	2.7	10.8	
P6KE 180P	P6KE 180CP	5	154	171	180	198	1	246	2.4	10.8	
P6KE 180A	P6KE 180CA	5	154	171	180	189	1	246	2.4	10.8	
P6KE 200P	P6KE 200CP	5	171	190	200	220	1	274	2.2	10.8	
P6KE 200A	P6KE 200CA	5	171	190	200	210	1	274	2.2	10.8	
P6KE 220P	P6KE 220CP	5	188	209	220	242	1	301	2	10.8	
P6KE 220A	P6KE 220CA	5	188	209	220	231	1	301	2	10.8	
P6KE 250P	P6KE 250CP	5	213	237	250	275	1	344	2	11	
P6KE 250A	P6KE 250CA	5	213	237	250	263	1	344	2	11	
P6KE 350P	P6KE 350CP	5	299	332	350	385	1	482	1.6	11	
P6KE 350A	P6KE 350CA	5	299	332	350	368	1	482	1.6	11	
P6KE 400P	P6KE 400CP	5	342	380	400	440	1	548	1.3	11	
P6KE 400A	P6KE 400CA	5	342	380	400	420	1	548	1.3	11	
P6KE 440P	P6KE 440CP	5	376	418	440	484	1	603	1.3	11	
P6KE 440A	P6KE 440CA	5	376	418	440	462	1	603	1.3	11	

\* Pulse test  $t_p \leq 50 ms$   $\delta < 2\%$ .

For axial use "RL" suffix for delivery in tape and reel.

Other voltages could be available on request. Contact factory.

# For bidirectional types P6KExxCP  $\rightarrow$  P6KExxCA,  $I_{RM}$  must be double that specified for unidirectional types.

**TRANSILs**



**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		Marking		I <sub>RM</sub> @ V <sub>RM</sub> max		V <sub>BR</sub> * @ I <sub>R</sub> (V)			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo max		αT max	Package
Unidirect.	Bidirect.	Unidir.	Bidir.	(μA)	(V)	min	nom	max	(mA)	(V)	(A)	

**600 W/1 ms expo.**

**I<sub>FSM</sub> = 50 A - 10 ms for unidirectional**

SM6T 6V8A	SM6T 6V8CA	DE	LE	1000	5.8	6.45	6.8	7.14	10	10.5	57	5.7	SMB PLASTIC
SM6T 7V5A	SM6T 7V5CA	DG	LG	500	6.4	7.13	7.5	7.88	10	11.3	53	6.1	
SM6T 10A	SM6T 10CA	DP	LP	10	8.55	9.6	10	10.5	1	14.5	41	7.3	
SM6T 12A	SM6T 12CA	DT	LT	5	10.2	11.4	12	12.6	1	16.7	36	7.8	
SM6T 15A	SM6T 15CA	DX	LX	5	12.8	14.3	15	15.8	1	21.2	28	8.4	
SM6T 18A	SM6T 18CA	EE	ME	5	15.3	17.1	18	18.9	1	25.2	24	8.8	
SM6T 22A	SM6T 22CA	EK	MK	5	18.8	20.9	22	23.1	1	30.6	20	9.2	
SM6T 24A	SM6T 24CA	EM	MM	5	20.5	22.8	24	25.2	1	33.2	18	9.4	
SM6T 27A	SM6T 27CA	EP	MP	5	23.1	25.7	27	28.4	1	37.5	16	9.6	
SM6T 30A	SM6T 30CA	ER	MR	5	25.6	28.5	30	31.5	1	41.4	14.5	9.7	
SM6T 33A	SM6T 33CA	ET	MT	5	28.2	31.4	33	34.7	1	45.7	13.1	9.8	
SM6T 36A	SM6T 36CA	EV	MV	5	30.8	34.2	36	37.8	1	49.9	12	9.9	
SM6T 39A	SM6T 39CA	EX	MX	5	33.3	37.1	39	41	1	53.9	11.1	10.0	
SM6T 51A	SM6T 51CA	FF	NF	5	43.6	48.5	51	53.6	1	70.1	8.6	10.2	
SM6T 62A	SM6T 62CA	FM	NM	5	53	58.9	62	65.1	1	85	7.1	10.4	
SM6T 68A	SM6T 68CA	FQ	NQ	5	58.1	64.6	68	71.4	1	92	6.5	10.4	
SM6T 75A	SM6T 75CA	FS	NS	5	64.1	71.3	75	78.8	1	103	5.8	10.5	
SM6T 100A	SM6T 100CA	FY	NY	5	85.5	95	100	105	1	137	4.4	10.6	
SM6T 150	SM6T 150C	GK	OK	5	121	135	150	165	1	215	2.8	10.8	
SM6T 150A	SM6T 150CA	GL	OL	5	128	143	150	158	1	207	2.9	10.8	
SM6T 200	SM6T 200C	GT	OT	5	162	180	200	220	1	287	2.1	10.8	
SM6T 200A	SM6T 200CA	GU	OU	5	171	190	200	210	1	274	2.2	10.8	
SM6T 220	SM6T 220C	GV	OV	5	178	198	220	242	1	316	1.9	10.8	
SM6T 220A	SM6T 220CA	GW	OW	5	188	209	220	231	1	301	2	10.8	

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2%.

Standard packaging in film.

Other voltages could be available on request. Contact factory.

**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		I <sub>RM</sub> @ V <sub>RM</sub>		V <sub>BR</sub> * @ I <sub>R</sub>			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo		αT	Package
Unidirectional	Bidirectional	max	#	min	nom	max	max	max		
		(μA)	(V)				(mA)	(V)	(A)	(10 <sup>-4</sup> /°C)

**1.5 kW/1 ms expo.****I<sub>FSM</sub> = 250 A - 10 ms for unidirectional**

1.5 KE 6V8 P	1.5 KE 6V8 CP	1000	5.8	6.45	6.8	7.48	10	10.5	143	5.7	CB429 PLASTIC
1.5 KE 6V8 A	1.5 KE 6V8 CA	1000	5.8	6.45	6.8	7.14	10	10.5	143	5.7	
1.5 KE 7V5 P	1.5 KE 7V5 CP	500	6.4	7.13	7.5	8.25	10	11.3	132	6.1	
1.5 KE 7V5 A	1.5 KE 7V5 CA	500	6.4	7.13	7.5	7.88	10	11.3	132	6.1	
1.5 KE 8V2 P	1.5 KE 8V2 CP	200	7.02	7.79	8.2	9.02	10	12.1	124	6.5	
1.5 KE 8V2 A	1.5 KE 8V2 CA	200	7.02	7.79	8.2	8.61	10	12.1	124	6.5	
1.5 KE 9V1 P	1.5 KE 9V1 CP	50	7.78	8.65	9.1	10	1	13.4	112	6.8	
1.5 KE 9V1 A	1.5 KE 9V1 CA	50	7.78	8.65	9.1	9.55	1	13.4	112	6.8	
1.5 KE 10 P	1.5 KE 10 CP	10	8.55	9.5	10	11	1	14.5	103	7.3	
1.5 KE 10 A	1.5 KE 10 CA	10	8.55	9.5	10	10.5	1	14.5	103	7.3	
1.5 KE 11 P	1.5 KE 11 CP	5	9.4	10.5	11	12.1	1	15.6	96	7.5	
1.5 KE 11 A	1.5 KE 11 CA	5	9.4	10.5	11	11.6	1	15.6	96	7.5	
1.5 KE 12 P	1.5 KE 12 CP	5	10.2	11.4	12	13.2	1	16.7	90	7.8	
1.5 KE 12 A	1.5 KE 12 CA	5	10.2	11.4	12	12.6	1	16.7	90	7.8	
1.5 KE 13 P	1.5 KE 13 CP	5	11.1	12.4	13	14.3	1	18.2	82	8.1	
1.5 KE 13 A	1.5 KE 13 CA	5	11.1	12.4	13	13.7	1	18.2	82	8.1	
1.5 KE 15 P	1.5 KE 15 CP	5	12.8	14.3	15	16.5	1	21.2	71	8.4	
1.5 KE 15 A	1.5 KE 15 CA	5	12.8	14.3	15	15.8	1	21.2	71	8.4	
1.5 KE 16 P	1.5 KE 16 CP	5	13.6	15.2	16	17.6	1	22.5	67	8.6	
1.5 KE 16 A	1.5 KE 16 CA	5	13.6	15.2	16	16.8	1	22.5	67	8.6	
1.5 KE 18 P	1.5 KE 18 CP	5	15.3	17.1	18	19.8	1	25.2	59.5	8.8	
1.5 KE 18 A	1.5 KE 18 CA	5	15.3	17.1	18	18.9	1	25.2	59.5	8.8	
1.5 KE 20 P	1.5 KE 20 CP	5	17.1	19	20	22	1	27.7	54	9	
1.5 KE 20 A	1.5 KE 20 CA	5	17.1	19	20	21	1	27.7	54	9	
1.5 KE 22 P	1.5 KE 22 CP	5	18.8	20.9	22	24.2	1	30.6	49	9.2	
1.5 KE 22 A	1.5 KE 22 CA	5	18.8	20.9	22	23.1	1	30.6	49	9.2	
1.5 KE 24 P	1.5 KE 24 CP	5	20.5	22.8	24	26.4	1	33.2	45	9.4	
1.5 KE 24 A	1.5 KE 24 CA	5	20.5	22.8	24	25.2	1	33.2	45	9.4	
1.5 KE 27 P	1.5 KE 27 CP	5	23.1	25.7	27	29.7	1	37.5	40	9.6	
1.5 KE 27 A	1.5 KE 27 CA	5	23.1	25.7	27	28.4	1	37.5	40	9.6	
1.5 KE 30 P	1.5 KE 30 CP	5	25.6	28.5	30	33	1	41.5	36	9.7	
1.5 KE 30 A	1.5 KE 30 CA	5	25.6	28.5	30	31.5	1	41.5	36	9.7	
1.5 KE 33 P	1.5 KE 33 CP	5	28.2	31.4	33	36.3	1	45.7	33	9.8	
1.5 KE 33 A	1.5 KE 33 CA	5	28.2	31.4	33	34.7	1	45.7	33	9.8	
1.5 KE 36 P	1.5 KE 36 CP	5	30.8	34.2	36	39.6	1	49.9	30	9.9	
1.5 KE 36 A	1.5 KE 36 CA	5	30.8	34.2	36	37.8	1	49.9	30	9.9	
1.5 KE 39 P	1.5 KE 39 CP	5	33.3	37.1	39	42.9	1	53.9	28	10	
1.5 KE 39 A	1.5 KE 39 CA	5	33.3	37.1	39	41	1	53.9	28	10	
1.5 KE 43 P	1.5 KE 43 CP	5	36.8	40.9	43	47.3	1	59.3	25.3	10.1	
1.5 KE 43 A	1.5 KE 43 CA	5	36.8	40.9	43	45.2	1	59.3	25.3	10.1	
1.5 KE 47 P	1.5 KE 47 CP	5	40.2	44.7	47	51.7	1	64.8	23.2	10.1	
1.5 KE 47 A	1.5 KE 47 CA	5	40.2	44.7	47	49.4	1	64.8	23.2	10.1	
1.5 KE 51 P	1.5 KE 51 CP	5	43.6	48.5	51	56.1	1	70.1	21.4	10.2	
1.5 KE 51 A	1.5 KE 51 CA	5	43.6	48.5	51	53.6	1	70.1	21.4	10.2	
1.5 KE 56 P	1.5 KE 56 CP	5	47.8	53.2	56	61.6	1	77	19.5	10.3	
1.5 KE 56 A	1.5 KE 56 CA	5	47.8	53.2	56	58.8	1	77	19.5	10.3	
1.5 KE 62 P	1.5 KE 62 CP	5	53	58.9	62	68.2	1	85	17.7	10.4	
1.5 KE 62 A	1.5 KE 62 CA	5	53	58.9	62	65.1	1	85	17.7	10.4	

\* Pulse test  $t_p \leq 50$  ms  $\delta < 2\%$ .# For bidirectional types 1.5 KE 6V8 CP → 1.5 KE 11 CA, I<sub>RM</sub> must be double that specified for unidirectional types.

For axial use "RL" suffix for delivery in tape and reel.

Other voltages could be available on request. Contact factory.

**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		I <sub>RM</sub> @ V <sub>RM</sub>		V <sub>BR</sub> * @ I <sub>R</sub>			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo		αT	Package
Unidirectional	Bidirectional	max	#	min	nom	max	(V)	(A)	max	
		(μA)	(V)				(mA)	(V)	(A)	(10 <sup>-4</sup> /°C)

1.5 kW/1 ms expo. (cont'd)

I<sub>FSM</sub> = 250 A - 10 ms for unidirectional

1.5 KE 68 P	1.5 KE 68 CP	5	58.1	64.6	68	74.8	1	92	16.3	10.4	CB429 PLASTIC
1.5 KE 68 A	1.5 KE 68 CA	5	58.1	64.6	68	71.4	1	92	16.3	10.4	
1.5 KE 75 P	1.5 KE 75 CP	5	64.1	71.3	75	82.5	1	103	14.6	10.5	
1.5 KE 75 A	1.5 KE 75 CA	5	64.1	71.3	75	78.8	1	103	14.6	10.5	
1.5 KE 82 P	1.5 KE 82 CP	5	70.1	77.9	82	90.2	1	113	13.3	10.5	
1.5 KE 82 A	1.5 KE 82 CA	5	70.1	77.9	82	86.1	1	113	13.3	10.5	
1.5 KE 91 P	1.5 KE 91 CP	5	77.8	86.5	91	100	1	125	12	10.6	
1.5 KE 91 A	1.5 KE 91 CA	5	77.8	86.5	91	95.5	1	125	12	10.6	
1.5 KE 100 P	1.5 KE 100 CP	5	85.5	95	100	110	1	137	11	10.6	
1.5 KE 100 A	1.5 KE 100 CA	5	85.5	95	100	110	1	137	11	10.6	
1.5 KE 110 P	1.5 KE 110 CP	5	94	105	110	121	1	152	9.9	10.7	
1.5 KE 110 A	1.5 KE 110 CA	5	94	105	110	116	1	152	9.9	10.7	
1.5 KE 120 P	1.5 KE 120 CP	5	102	114	120	126	1	165	9.1	10.7	
1.5 KE 120 A	1.5 KE 120 CA	5	102	114	120	126	1	165	9.1	10.7	
1.5 KE 130 P	1.5 KE 130 CP	5	111	124	130	143	1	179	8.4	10.7	
1.5 KE 130 A	1.5 KE 130 CA	5	111	124	130	137	1	179	8.4	10.7	
1.5 KE 150 P	1.5 KE 150 CP	5	128	143	150	165	1	207	7.2	10.8	
1.5 KE 150 A	1.5 KE 150 CA	5	128	143	150	158	1	207	7.2	10.8	
1.5 KE 160 P	1.5 KE 160 CP	5	136	152	160	176	1	219	6.8	10.8	
1.5 KE 160 A	1.5 KE 160 CA	5	136	152	160	168	1	219	6.8	10.8	
1.5 KE 170 P	1.5 KE 170 CP	5	145	161	170	187	1	234	6.4	10.8	
1.5 KE 170 A	1.5 KE 170 CA	5	145	161	170	179	1	234	6.4	10.8	
1.5 KE 180 P	1.5 KE 180 CP	5	154	171	180	198	1	246	6.1	10.8	
1.5 KE 180 A	1.5 KE 180 CA	5	154	171	180	189	1	246	6.1	10.8	
1.5 KE 200 P	1.5 KE 200 CP	5	171	190	200	220	1	274	5.5	10.8	
1.5 KE 200 A	1.5 KE 200 CA	5	171	190	200	210	1	274	5.5	10.8	
1.5 KE 220 P	1.5 KE 220 CP	5	188	209	220	242	1	328	4.6	10.8	
1.5 KE 220 A	1.5 KE 220 CA	5	188	209	220	231	1	328	4.6	10.8	
1.5 KE 250 P	1.5 KE 250 CP	5	213	237	250	275	1	344	5.0	11	
1.5 KE 250 A	1.5 KE 250 CA	5	213	237	250	263	1	344	5.0	11	
1.5 KE 280 P	1.5 KE 280 CP	5	239	266	280	308	1	384	5.0	11	
1.5 KE 280 A	1.5 KE 280 CA	5	239	266	280	294	1	384	5.0	11	
1.5 KE 300 P	1.5 KE 300 CP	5	256	285	300	330	1	414	5.0	11	
1.5 KE 300 A	1.5 KE 300 CA	5	256	285	300	315	1	414	5.0	11	
1.5 KE 320 P	1.5 KE 320 CP	5	273	304	320	352	1	438	4.5	11	
1.5 KE 320 A	1.5 KE 320 CA	5	273	304	320	336	1	438	4.5	11	
1.5 KE 350 P	1.5 KE 350 CP	5	299	332	350	385	1	482	4.0	11	
1.5 KE 350 A	1.5 KE 350 CA	5	299	332	350	368	1	482	4.0	11	
1.5 KE 400 P	1.5 KE 400 CP	5	342	380	400	440	1	548	4.0	11	
1.5 KE 400 A	1.5 KE 400 CA	5	342	380	400	420	1	548	4.0	11	
1.5 KE 440 P	1.5 KE 440 CP	5	376	418	440	484	1	603	3.5	11	
1.5 KE 440 A	1.5 KE 440 CA	5	376	418	440	462	1	603	3.5	11	

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2%.

# For bidirectional types 1.5 KE 6V8 CP → 1.5 KE 11 CA, I<sub>RM</sub> must be double that specified for unidirectional types.

For axial use "RL" suffix for delivery in tape and reel.

Other voltages could be available on request. Contact factory.

**GENERAL PURPOSE TRANSIENT SUPPRESSORS**

Type		Marking		I <sub>RM</sub> @ V <sub>RM</sub>		V <sub>BR</sub> * @ I <sub>R</sub>			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo max		αT	Package	
Unidirect.	Bidirect.	Unidir.	Bidir.	max	#	min	nom	max	(mA)	(V)	(A)		max
													(10 <sup>-4</sup> /°C)

**1.5 KW/1 ms expo.****I<sub>FSM</sub> = 150 A - 10 ms for unidirectional**

SM15T 6V8A	SM15T 6V8CA	MDE	BDE	1000	5.8	6.45	6.8	7.14	10	10.5	143	5.7	SMC PLASTIC
SM15T 7V5A	SM15T 7V5CA	MDG	BDG	1000	6.4	7.13	7.5	7.88	10	11.3	132	6.1	
SM15T 10A	SM15T 10CA	MDP	BDP	10	8.55	9.5	10	10.5	1	14.5	103	7.3	
SM15T 12A	SM15T 12CA	MDT	BDT	5	10.2	11.4	12	12.6	1	16.7	90	7.8	
SM15T 15A	SM15T 15CA	MDX	BDX	5	12.8	14.3	15	15.8	1	21.2	71	8.4	
SM15T 18A	SM15T 18CA	MEE	BEE	5	15.3	17.1	18	18.9	1	25.2	59.5	8.8	
SM15T 22A	SM15T 22CA	MEK	BEK	5	18.8	20.9	22	23.1	1	30.6	49	9.2	
SM15T 24A	SM15T 24CA	MEM	BEM	5	20.5	22.8	24	25.2	1	33.2	45	9.4	
SM15T 27A	SM15T 27CA	MEP	BEP	5	23.1	25.7	27	28.4	1	37.5	40	9.6	
SM15T 30A	SM15T 30CA	MER	BER	5	25.6	28.5	30	31.5	1	41.4	36	9.7	
SM15T 33A	SM15T 33CA	MET	BET	5	28.2	31.4	33	34.7	1	45.7	33	9.8	
SM15T 36A	SM15T 36CA	MEV	BEV	5	30.8	34.2	36	37.8	1	49.9	30	9.9	
SM15T 39A	SM15T 39CA	MEX	BEX	5	33.3	37.1	39	41	1	53.9	28	10.0	
SM15T 68A	SM15T 68CA	MFP	BFP	5	58.1	64.6	68	71.4	1	92	16.3	10.4	
SM15T 75A	SM15T 75CA	MFR	BFR	5	64.5	71.3	75	78.8	1	103	14.6	10.5	
SM15T 100A	SM15T 100CA	MFX	BFX	5	85.5	95	100	105	1	137	11	10.6	
SM15T 150	SM15T 150C	MGH	BGH	5	121	135	150	165	1	215	7	10.8	
SM15T 150A	SM15T 150CA	MGK	BGK	5	128	143	150	158	1	207	7.2	10.8	
SM15T 200	SM15T 200C	MGU	BGU	5	162	180	200	220	1	287	5.2	10.8	
SM15T 200A	SM15T 200CA	MGV	BGV	5	171	190	200	210	1	274	5.5	10.8	
SM15T 220	SM15T 220C	MGW	BGW	5	175	198	220	242	1	344	4.3	10.8	
SM15T 220A	SM15T 220CA	MGX	BGX	5	185	209	220	231	1	328	4.6	10.8	

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2%.# for bidirectional type SM15T6V8C → 10CA, I<sub>RM</sub> must be double that specified for unidirectional types.

Standard packaging in film.

Other voltages could be available on request. Contact factory.

Type		I <sub>RM</sub> @ V <sub>RM</sub>		V <sub>(BR)</sub> * @ I <sub>R</sub>			V <sub>CL</sub> @ I <sub>PP</sub> 1 ms expo max		αT	Package	
Unidirectional	Bidirectional	max		min	nom	max	(mA)	(V)	(A)		max
											(10 <sup>-4</sup> /°C)

**5 kW/1 ms expo.****I<sub>FSM</sub> = 500 A - 10 ms for unidirectional**

BZW 50-10	BZW 50-10B	5	10	11.1	12.4	13.6	1	18.8	266	7.8	AG PLASTIC
BZW 50-12	BZW 50-12B	5	12	13.3	14.8	16.3	1	22	227	8.4	
BZW 50-15	BZW 50-15B	5	15	16.6	18.5	20.4	1	26.9	186	8.8	
BZW 50-18	BZW 50-18B	5	18	20	22.2	24.4	1	32.2	155	9.2	
BZW 50-22	BZW 50-22B	5	22	24.4	27.1	29.8	1	39.4	127	9.6	
BZW 50-27	BZW 50-27B	5	27	30	33.3	36.6	1	48.3	103	9.8	
BZW 50-33	BZW 50-33B	5	33	36.6	40.7	44.7	1	59	85	10	
BZW 50-39	BZW 50-39B	5	39	43.3	48.1	53	1	69.4	72	10.1	
BZW 50-47	BZW 50-47B	5	47	52	57.8	63.6	1	83.2	60.1	10.3	
BZW 50-56	BZW 50-56B	5	56	62.2	69.1	76	1	99.6	50	10.4	
BZW 50-68	BZW 50-68B	5	68	75.6	84	92.4	1	121	41	10.5	
BZW 50-82	BZW 50-82B	5	82	91	101.2	111	1	145	34	10.6	
BZW 50-100	BZW 50-100B	5	100	111	123.5	136	1	179	28	10.7	
BZW 50-120	BZW 50-120B	5	120	133	148.1	163	1	215	23	10.8	
BZW 50-150	BZW 50-150B	5	150	166	185.2	204	1	269	19	10.8	
BZW 50-180	BZW 50-180B	5	180	200	222	244	1	322	16	10.8	

\* Pulse test t<sub>p</sub> ≤ 50 ms δ < 2%.

For axial use "RL" suffix for delivery in tape and reel.

Other voltages could be available on request. Contact factory.