

# New Jersey Semi-Conductor Products, Inc.

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## 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>		αT	Package
Unidirectional	Bidirectional	max	#	min	nom	max	(mA)	1 ms expo max	(A)	max	
		(μA)	(V)					(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	17.8	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<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.

NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

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