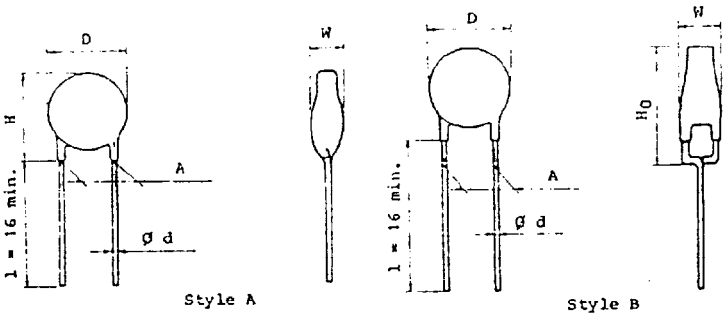


SPECIFICATION AVAILABLE FROM : BELGIAN ELECTROTECHNICAL COMMITTEE	CECC 42 201 001 
ELECTRONIC COMPONENT OF ASSESSED QUALITY IN ACCORDANCE WITH : CECC 42 000 - NBN C 83-250 (1st. ed./1978) CECC 42 200 - NBN C 83-260 (1st. ed./1986) CECC 42 201 - NBN C 83-265 (1st. ed./1986)	NBN C 83-265-1 17 Sept
Outline and dimensions : All dimensions in mm (First angle projection) 	SURGE SUPPRESSION VARISTORS Construction Zinc oxide (insulated) ASSESSMENT LEVEL S

NOTES

- 1 - Other shapes are permitted within the dimensions given.
- 2 - The un-dimensioned details do not affect the performance of the device.
- 3 - The terminations are suitable for soldering.
- 4 - The terminations are suitable for printed wiring applications.
- 5 - The terminations are rigid.

1.1 RATINGS AND CHARACTERISTICS (at 25°C)

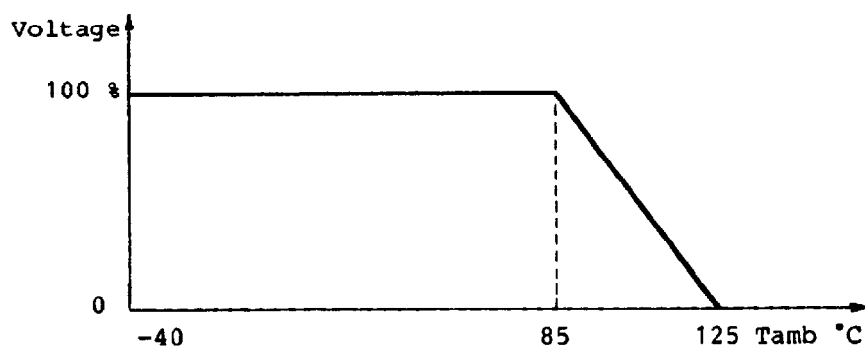
Supply voltage	: see table 1
Maximum continuous a.c. voltage	: see table 1
Maximum continuous d.c. voltage	: see table 1
Class current	: see table 1
Surge rating	: see table 1

Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200: Qualified Products List.

Voltage at class current (protection level)	: see table 1
Leakage current	: 315 μ A max.
Climatic category	: 40/125/56
Temperature coefficient of voltage (at 1 mA)	: -0,09 %/K max.
Capacitance	: see table 1
Isolation voltage	: 2500 V
Dimensions of D	: see table 1
Dimensions of W	: see table 1
Dimensions of H	: Hmax. = Dmax. + 2 mm
Dimensions of H ₀	: H ₀ max. = Dmax. + 3
Dimensions of A : - for style 2 and 3	: A = 5 ^{+0,8} _{-0,2}
- for style 4, 5 and 6	: A = 7,5 $\pm$ 1
Dimensions of d : - for style 2 and 3	: ϕ d = 0,6 $\pm$ 0,06
- for style 4, 5 and 6	: ϕ d = 0,8 $\pm$ 0,08

1.2. Derating curve

1.2.1. - Maximum continuous a.c. or d.c. voltage with temperature.



1.2.2. - Maximum peak current for various number of pulses versus pulse duration.

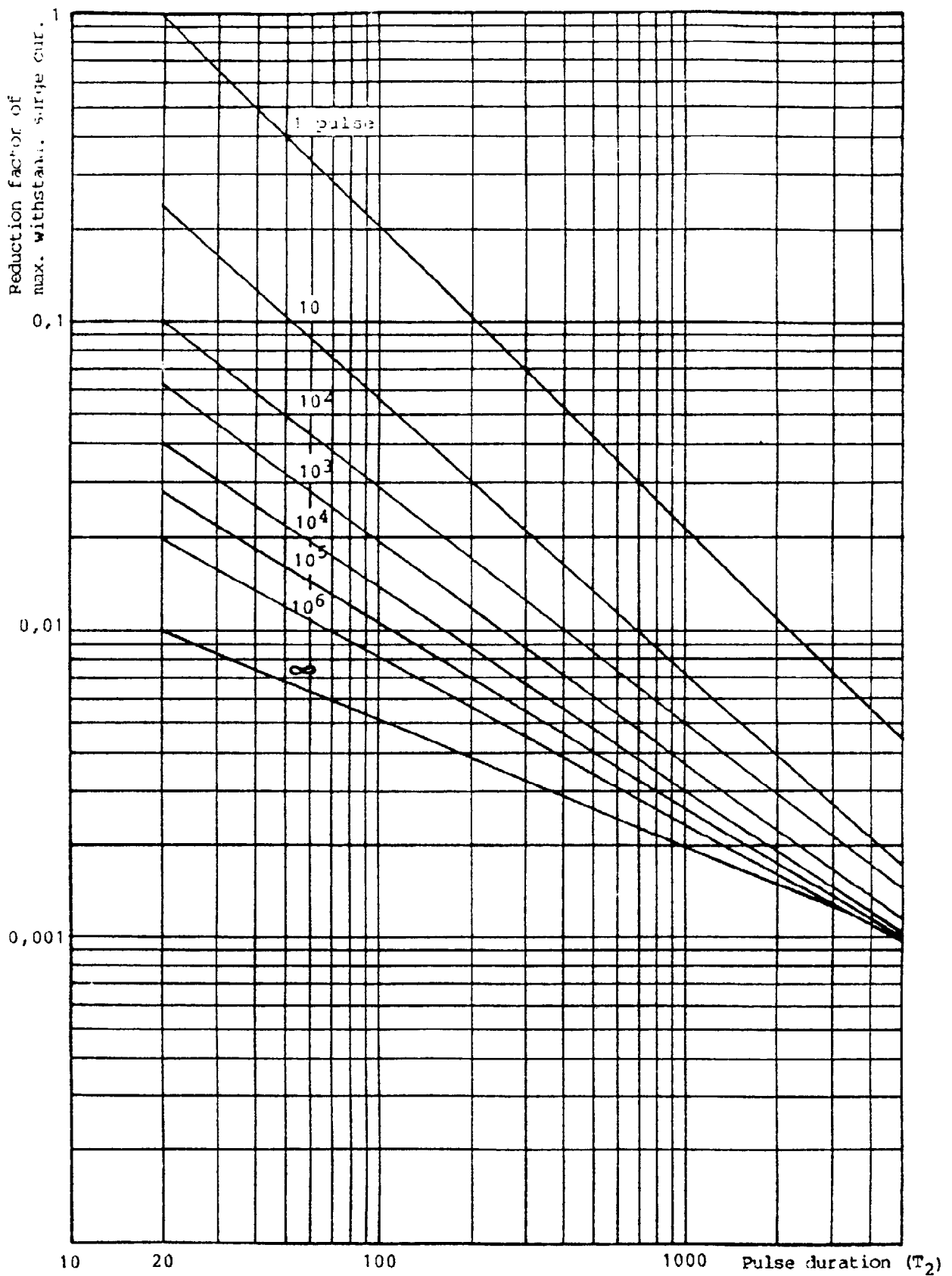


Table 1 (1 - 1)

S T Y L E (1)	Supply voltage (V)	Maximum continuous voltage		Voltage at 1 mA		Voltage at class current (8/20 μ s)		Max. Withstand. surge current (8/20 μ s 1 time)	Energy surge rating (10/1000)	Maximum Capacitance	Dimensions			
		r.m.s. (V)	d.c. (V)	min. (V)	max. (V)	class cur. (A)	max.volt. (V)				Dmin	Dmax	Wmin	Wmax
2A 110	--	11	14	16	20	2,5 5,0 12,5 25,0 50,0	40	100 250 500 1000 2000	0,2 0,3 0,6 1,2 2,4	3000 7000 15000 35000 70000	5	7	2	5
3A 110											7	9	2	5
4A 110											10	14	2	6
5A 110											14	17	2	6
6A 110											20	24	2	6
2A 140	--	14	18	20	24	2,5 5,0 12,5 25,0 50,0	48	100 250 500 1000 2000	0,2 0,4 0,7 1,5 3,0	2500 5500 12000 30000 60000	5	7	2	5
3A 140											7	9	2	5
4A 140											10	14	2	6
5A 140											14	17	2	6
6A 140											20	24	2	6
2A 170	--	17	22	24	30	2,5 5,0 12,5 25,0 50,0	60	100 250 500 1000 2000	0,3 0,5 0,9 1,8 3,5	2000 4000 8000 20000 45000	5	7	2	5
3A 170											7	9	2	5
4A 170											10	14	2	6
5A 170											14	17	2	6
6A 170											20	24	2	6
2A 200	--	20	26	30	36	2,5 5,0 12,5 25,0 50,0	70	100 250 500 1000 2000	0,4 0,6 1,1 2,2 4,0	1800 3000 6000 15000 35000	5	7	2	5
3A 200											7	9	2	5
4A 200											10	14	2	6
5A 200											14	17	2	6
6A 200											20	24	2	6
2A 250	--	25	31	35	43	2,5 5,0 12,5 25,0 50,0	85	100 250 500 1000 2000	0,4 0,7 1,2 2,6 5,0	1000 2500 5000 12000 30000	5	7	2	5
3A 250											7	9	2	5
4A 250											10	14	2	6
5A 250											14	17	2	6
6A 250											20	24	2	6

(1) When the component is provided with a mounting plane, the letter "B" replaces the letter "A" (see figure on page 1)

Table 1 (continued 1 - 2)

S T Y L E (1)	Supply voltage (V)	Maximum continuous voltage		Voltage at 1 mA		Voltage at class current (8/20 μ s)		Max. Withstand. surge current (8/20 μ s 1 time)	Energy surge rating (10/1000)	Maximum Capacitance	Dimensions			
		r.m.s. (V)	d.c. (V)	min. (V)	max. (V)	class cur. (A)	max.volt. (V)				D _{min} (mm)	D _{max} (mm)	W _{min} (mm)	W _{max} (mm)
2A 300	---	30	38	42	52	2,5	100	100	0,5	1500	5	7	2	5
3A 300						5,0	100	250	0,8	3000	7	9	2	5
4A 300						12,5	95	500	1,5	6000	10	14	2	6
5A 300						25,0	95	1000	3,1	11000	14	17	2	6
6A 300						50,0	95	2000	6,0	25000	20	24	2	6
2A 350	---	35	45	50	62	2,5	125	100	0,6	1250	5	7	2	5
3A 350						5,0	115	250	1,0	2300	7	9	2	5
4A 350						12,5	110	500	2,1	4500	10	14	2	6
5A 350						25,0	105	1000	3,8	9000	14	17	2	6
6A 350						50,0	105	2000	7,0	20000	20	24	2	6
2A 400	---	40	56	61	75	2,5	145	100	0,8	1200	5	7	2	5
3A 400						5,0	140	250	1,3	1900	7	9	2	5
4A 400						12,5	135	500	2,5	3600	10	14	2	6
5A 400						25,0	130	1000	5,0	6000	14	17	2	6
6A 400						50,0	130	2000	9,0	10000	20	24	2	6
2A 500	---	50	65	74	90	5	145	400	2,4	900	5	7	2,2	5,2
3A 500						10	140	1200	4,1	1800	7	9	2,2	5,2
4A 500						25	140	2500	6,5	3400	10	14	2,6	6,0
5A 500						50	140	4500	10,0	5400	14	17	2,6	6,0
6A 500						100	140	6500	18,0	9000	20	24	2,6	6,0
2A 600	---	60	85	90	110	5	165	400	2,7	600	5	7	2,3	5,3
3A 600						10	165	1200	4,6	1000	7	9	2,3	5,3
4A 600						25	165	2500	8,0	2000	10	14	2,8	6,0
5A 600						50	165	4500	12,0	3400	14	17	2,8	6,0
6A 600						100	165	6500	20,0	6000	20	24	2,8	6,0

(1) When the component is provided with a seating plane, the letter "B" replaces the letter "A" (see figure on page 1)

Table 1 (continued 1 - 3)

S T Y L E (1)	Supply voltage (V)	Maximum continuous voltage		Voltage at 1 mA		Voltage at class current (8/20 μ s)		Max. Withstand. surge current (8/20 μ s 1 time)	Energy surge rating (10/1000)	Maximum Capacitance (pF)	Dimensions			
		I.m.s. (V)	d.c. (V)	min. (V)	max. (V)	class cur. (A)	max.volt. (V)				D _{min} (mm)	D _{max} (mm)	W _{min} (mm)	W _{max} (mm)
2A 750 3A 750 4A 750 5A 750 6A 750	60	75	100	108	132	5 10 25 50 100	190 200 200 200 200	400 1200 2500 4500 6500	3,5 5,5 10,0 14,0 25,0	420 790 1600 3000 5000	5 7 10 14 20	7 9 14 17 24	2,3 2,3 2,8 2,8 2,8	5,5 5,5 6,0 6,0 6,0
2A 950 3A 950 4A 950 5A 950 6A 950	—	95	125	135	165	5 10 25 50 100	230 250 250 250 250	400 1200 2500 4500 6500	4,0 7,0 12,0 19,0 35,0	350 700 1400 2500 4500	5 7 10 14 20	7 9 14 17 24	2,4 2,4 3,0 3,0 3,0	5,7 5,7 6,2 6,2 6,2
2A 131 3A 131 4A 131 5A 131 6A 131	110 and 120	130	170	185	225	5 10 25 50 100	310 340 340 380 380	400 1200 2500 4500 6500	5,5 9,5 16,0 26,0 46,0	240 580 1050 1900 3500	5 7 10 14 20	7 9 14 17 24	2,5 2,5 3,0 3,0 3,0	5,8 5,8 6,3 6,3 6,3
2A 151 3A 151 4A 151 5A 151 6A 151	—	150	200	216	264	5 10 25 50 100	395 400 400 400 400	400 1200 2500 4500 6500	6,5 11,0 18,0 30,0 50,0	200 520 900 1600 3000	5 7 10 14 20	7 9 14 17 24	2,6 2,6 3,1 3,1 3,1	5,9 5,9 6,4 6,4 6,4
2A 171 3A 171 4A 171 5A 171 6A 171	—	175	225	247	303	5 10 25 50 100	410 455 455 455 455	400 1200 2500 4500 6500	7,0 13,0 22,0 35,0 60,0	170 380 720 1380 2600	5 7 10 14 20	7 9 14 17 24	2,7 2,7 3,2 3,2 3,2	6,1 6,1 6,5 6,5 6,5

(1) When the component is provided with a seating plane, the letter "B" replaces the letter "A" (see figure on page 1)

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