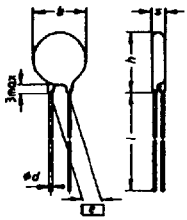
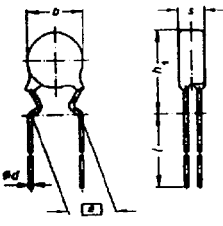
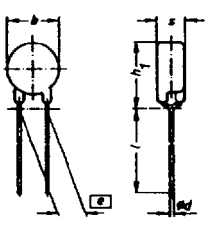
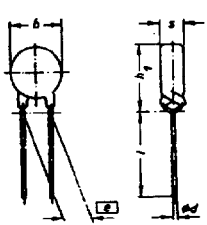
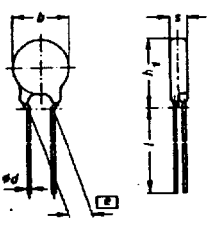


Specification available from: Österreichischer Verband für Elektrotechnik (ÖVE)	CECC 42 201-004
Electronic components of assessed quality in accordance with : CECC 42 000 (1st. ed. / 1978) CECC 42 200 (1st. ed. / 1986) CECC 42 201 (1st. ed. / 1986) CECC 42 201 802 (1st. ed. / 1991)	1992
Outline and dimensions : All dimensions in mm	SURGE SUPPRESSION VARISTORS
 Type S1  Type S2  Type S3  Type S4  Type S5	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.

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

CECC 42 201 - 004

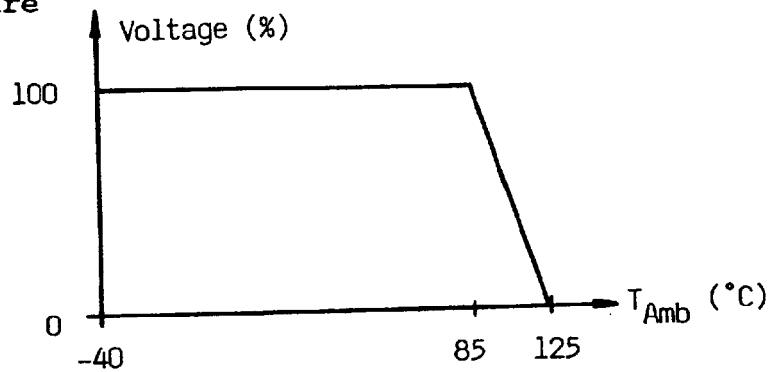
1.) Ratings and Characteristics (at 25°C)

Supply voltage (where applicable)	: see table 1
Maximum continuous a.c. voltage	: see table 1
Maximum continuous d.c. voltage	: see table 1
Reference current	: 1mA (d.c.)
Voltage at reference current ($\pm 10\%$)	: see table 1
Class current	: see table 1
Voltage at class current (protection level)	: see table 1
Maximum peak current	: see table 1
Energy surge rating (2ms square wave)	: see table 1
Maximum capacitance	: see table 1
Maximum temperature coefficient of the voltage at reference current	: $-(0.09\%/K)_{\max}$
Isolation voltage	: 2500 V (a.c.)
Climatic category	: 40/85/56
Dimensions of b	: see table 1
Dimensions of s	: see table 1
Dimensions of h	: see table 1
Dimensions of h_1	: $h_{1\max} = h_{\max} + 3\text{mm}$
Dimensions of l	: $l_{\min} = 30 \text{ mm}$
Dimensions of e	: for styles 05, 07 : $5.0 \pm 1 \text{ mm}$: for styles 10, 14 : $7.5 \pm 1 \text{ mm}$: for style 20 : $10.0 \pm 1 \text{ mm}$
Dimensions of ϕd	: for styles 05, 07 : 0.6 mm : for styles 10, 14 : 0.8 mm : for style 20 : 1.0 mm

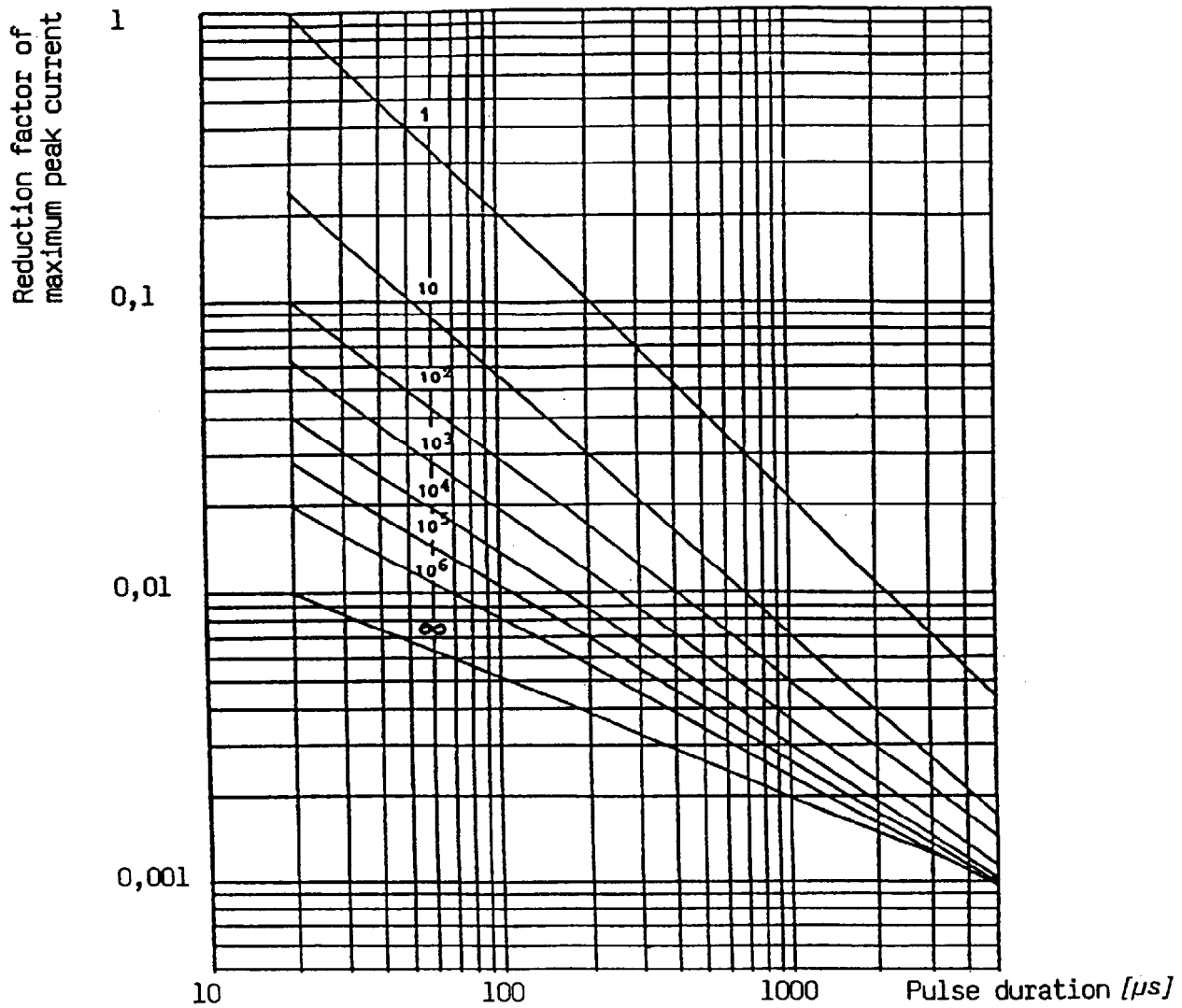
CECC 42 201 - 004

1.1 Derating Curve

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



1.1.2 - Reduction factor of maximum peak current for various numbers of pulses versus pulse duration.



CECC 42 201 - 004

Table 1 (1/1)

STYLE (1)	Supply voltage (V)	Maximum continuous voltage		Voltage at 1 mA (V)	Voltage at class current (8/20 μ s)		Max. peak current (8/20 μ s, 1 time) (A)	Energy surge rating (2 ms, 1 time) (J)	Maximum capacitance (pF)	Dimensions		
		r.m.s. (V)	d.c. (V)		class cur. (A)	max. volt (V)				b _{max} (mm)	s _{max} (mm)	h _{max} (mm)
05K11	11	14	14	18	1,0	36	100	0,3	3000	7,0	3,5	9,5
07K11	11	14	14	18	2,5	36	250	0,8	7000	9,0	3,5	11,5
10K11	11	14	14	18	5,0	36	500	1,7	15000	12,5	4,1	15,0
14K11	11	14	14	18	10,0	36	1000	3,2	35000	16,5	4,1	19,0
20K11	11	14	14	18	20,0	36	2000	10,0	70000	22,5	4,5	26,0
05K14	14	18	18	22	1,0	43	100	0,4	2500	7,0	3,6	9,5
07K14	14	18	18	22	2,5	43	250	0,9	5500	9,0	3,6	11,5
10K14	14	18	18	22	5,0	43	500	2,0	12000	12,5	4,2	15,0
14K14	14	18	18	22	10,0	43	1000	4,0	30000	16,5	4,2	19,0
20K14	14	18	18	22	20,0	43	2000	12,0	60000	22,5	4,6	26,0
05K17	17	22	22	27	1,0	53	100	0,5	2000	7,0	3,7	9,5
07K17	17	22	22	27	2,5	53	250	1,1	4000	9,0	3,7	11,5
10K17	17	22	22	27	5,0	53	500	2,5	8000	12,5	4,3	15,0
14K17	17	22	22	27	10,0	53	1000	5,0	20000	16,5	4,4	19,0
20K17	17	22	22	27	20,0	53	2000	14,0	45000	22,5	4,8	26,0
05K20	20	26	26	33	1,0	65	100	0,6	1800	7,0	3,9	9,5
07K20	20	26	26	33	2,5	65	250	1,3	3000	9,0	3,9	11,5
10K20	20	26	26	33	5,0	65	500	3,1	6000	12,5	4,5	15,0
14K20	20	26	26	33	10,0	65	1000	6,0	15000	16,5	4,6	19,0
20K20	20	26	26	33	20,0	65	2000	18,0	35000	22,5	5,1	26,0
05K25	25	31	31	39	1,0	77	100	0,7	1000	7,0	3,6	9,5
07K25	25	31	31	39	2,5	77	250	1,6	2500	9,0	3,6	11,5
10K25	25	31	31	39	5,0	77	500	3,7	5000	12,5	4,3	15,0
14K25	25	31	31	39	10,0	77	1000	7,0	12000	16,5	4,4	19,0
20K25	25	31	31	39	20,0	77	2000	22,0	30000	22,5	4,8	26,0

(1) For explanation of style reference number, see clause 4.

Table 1 (1/2)

STYLE (1)	Supply voltage (V)	Maximum continuous voltage		Voltage at 1 mA (V)	Voltage at class current (8/20 μ s)		Max. peak current (8/20 μ s, 1 time) (A)	Energy surge rating (2 ms, 1 time) (J)	Maximum capacitance (pF)	Dimensions		
		r.m.s. (V)	d.c. (V)		class cur. (A)	max. volt (V)				b _{max} (mm)	s _{max} (mm)	h _{max} (mm)
05K30		30	38	47	1,0	93	100	0,9	1500	7,0	3,8	9,5
07K30		30	38	47	2,5	93	250	2,0	3000	9,0	3,8	11,5
10K30		30	38	47	5,0	93	500	4,4	6000	12,5	4,4	15,0
14K30		30	38	47	10,0	93	1000	9,0	11000	16,5	4,5	19,0
20K30		30	38	47	20,0	93	2000	26,0	25000	22,5	5,0	26,0
05K35		35	45	56	1,0	110	100	1,1	1250	7,0	3,9	9,5
07K35		35	45	56	2,5	110	250	2,5	2300	9,0	3,9	11,5
10K35		35	45	56	5,0	110	500	5,4	4500	12,5	4,5	15,0
14K35		35	45	56	10,0	110	1000	10,0	9000	16,5	4,7	19,0
20K35		35	45	56	20,0	110	2000	33,0	20000	22,5	5,2	26,0
05K40		40	56	68	1,0	135	100	1,3	1200	7,0	4,1	9,5
07K40		40	56	68	2,5	135	250	3,0	1900	9,0	4,1	11,5
10K40		40	56	68	5,0	135	500	6,4	3600	12,5	4,8	15,0
14K40		40	56	68	10,0	135	1000	13,0	6000	16,5	4,9	19,0
20K40		40	56	68	20,0	135	2000	37,0	10000	22,5	5,4	26,0
05K50		50	65	82	5,0	135	400	1,8	900	7,0	3,5	9,5
07K50		50	65	82	10,0	135	1200	4,2	1800	9,0	3,5	11,5
10K50		50	65	82	25,0	135	2500	8,4	3400	12,5	4,1	15,0
14K50		50	65	82	50,0	135	4500	15,0	5400	16,5	4,1	19,0
20K50		50	65	82	100,0	135	6500	27,0	9000	22,5	4,5	26,0
05K60		60	85	100	5,0	165	400	2,2	600	7,0	3,5	9,5
07K60		60	85	100	10,0	165	1200	4,8	1000	9,0	3,5	11,5
10K60		60	85	100	25,0	165	2500	10,0	2000	12,5	4,1	15,0
14K60		60	85	100	50,0	165	4500	17,0	3400	16,5	4,2	19,0
20K60		60	85	100	100,0	165	6500	33,0	6000	22,5	4,6	26,0

(1) For explanation of style reference number, see clause 4.