

SIOV Metal Oxide Varistors

SMD Varistors (Standard; MLV Series)

SMD

Multilayer (CT/CN)

Standard

Construction

- Multilayer technology
- Termination: nickel barrier or silver palladium (silver platinum for arrays)
- No plastic or epoxy packaging assures better than UL 94 V-0 flammability rating

Features

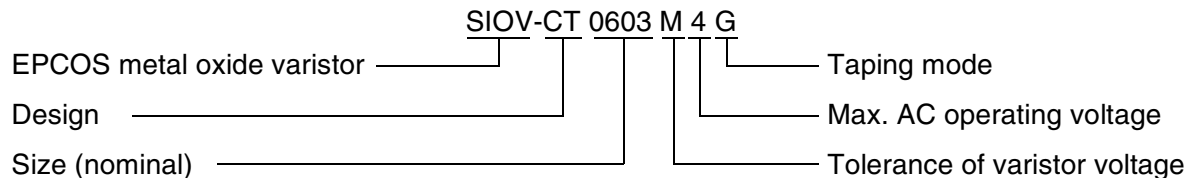
- Sizes 0402 ... 2220
- Surge currents up to 1200 A
- Operating temperatures up to 125 °C
- Good solderability
- Suitable for ESD protection
- Bidirectional clamping
- Types with controlled capacitance available
- PSpice models

Taping

- Supply on 8/12-mm tape, for tape dimensions [see pages 154/155](#),
for reel dimensions and packing units [see page 157](#)

Type designation

Detailed description of coding system [on page 39](#)



General technical data

Climatic category	55/125/56 (55/85/56)	in acc. with IEC 60068-1	
LCT	– 55 °C		
UCT	+ 85 °C (CT/CN0402...0603)		
Damp heat, steady state (93 % r.h., 40 °C)	+ 125 °C (CT/CN0805...2220)	in acc. with IEC 60068-2-3	
Operating temperature	– 55 ... + 85 °C	CT/CN0402 ... 0603	in acc. with CECC 42 000
	– 55 ... + 125 °C	CT/CN0805 ... 2220	in acc. with CECC 42 000
Storage temperature ¹⁾	– 55 ... + 150 °C	CT/CN0805 ... 2220	
	– 55 ... + 125 °C	CT/CN0402 ... 0603	
Response time	< 0,5 ns		
Solderability	235 °C, 2 s		in acc. with IEC 60068-2-58
Resistance to soldering heat	260 °C, 10 s		in acc. with IEC 60068-2-58

1) for mounted parts (storage conditions for unused parts on reel see [page 38](#) [1.12.4])


SIOV Metal Oxide Varistors
Standard – Nickel Barrier Termination (availability upon request)
Maximum ratings (0402 ... 0603: $T_A = 85\text{ °C}$; 0805 ... 2220: $T_A = 125\text{ °C}$)

Type	Ordering code	V_{RMS}	$V_{DC}^{①}$	$i_{max}^{②}$ 8/20 μs	$W_{max}^{③}$ (2 ms)	P_{max}
SIOV-	NEW	V	V	A	J	W
CT0603M4G	B72500-T0040-M060	4	5,5	30	0,1	0,003
CT0805M4G	B72510-T0040-M062	4	5,5	100	0,1	0,005
CT1206M4G	B72520-T0040-M062	4	5,5	150	0,3	0,008
CT1210M4G	B72530-T0040-M062	4	5,5	250	0,4	0,010
CT1812M4G	B72580-T0040-M062	4	5,5	500	0,8	0,015
CT2220M4G	B72540-T0040-M062	4	5,5	1000	1,4	0,020
CT0603M6G	B72500-T0060-M060	6	8	30	0,1	0,003
CT0805M6G	B72510-T0060-M062	6	8	120	0,2	0,005
CT0805M6CCG	B72510-T5060-M062	6	8	120	0,2	0,005
CT1206M6G	B72520-T0060-M062	6	8	200	0,4	0,008
CT1210M6G	B72530-T0060-M062	6	8	300	0,7	0,010
CT1812M6G	B72580-T0060-M062	6	8	500	1,0	0,015
CT2220M6G	B72540-T0060-M062	6	8	1200	3,6	0,020
CT0603M7G	B72500-T0070-M060	7	9	30	0,1	0,003
CT0603L8G	B72500-T0080-L060	8	11	30	0,1	0,003
CT0805L8G	B72510-T0080-L062	8	11	120	0,2	0,005
CT1206L8G	B72520-T0080-L062	8	11	200	0,5	0,008
CT1210L8G	B72530-T0080-L062	8	11	400	1,0	0,010
CT1812L8G	B72580-T0080-L062	8	11	800	1,8	0,015
CT2220L8G	B72540-T0080-L062	8	11	1200	4,2	0,020
CT0603K11G	B72500-T0110-K060	11	14	30	0,2	0,003
CT0805K11G	B72510-T0110-K062	11	14	120	0,2	0,005
CT1206K11G	B72520-T0110-K062	11	14	200	0,5	0,008
CT1210K11G	B72530-T0110-K062	11	14	400	1,2	0,010
CT1812K11G	B72580-T0110-K062	11	14	800	1,9	0,015
CT2220K11G	B72540-T0110-K062	11	14	1200	5,4	0,020
CT0402L14G	B72592-T0140-L060	14	16	10	0,01	0,003
CT0603K14G	B72500-T0140-K060	14	18	30	0,2	0,003
CT0805K14G	B72510-T0140-K062	14	18	120	0,3	0,005
CT1206K14G	B72520-T0140-K062	14	18	200	0,5	0,008
CT1210K14G	B72530-T0140-K062	14	18	400	1,5	0,010
CT1812K14G	B72580-T0140-K062	14	18	800	2,3	0,015
CT2220K14G	B72540-T0140-K062	14	18	1200	5,8	0,020

Also called:

Note: New ordering codes implemented
 (refer to chapter [Varistor Type Cross-Reference List](#))

① working voltage; ② peak current; ③ transient energy

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


Characteristics ($T_A = 25\text{ °C}$)

Type	$V_V^{④}$ (1 mA) V	ΔV_V (1 mA) %	Max. clamping voltage		C_{typ} (1 kHz) pF	L_{typ} nH	Derating curve Page	V/I char- acteristic Page
			v V	i A				
CT0603M4G	8	± 20	19	1,0	200	1,0	238	270
CT0805M4G	8	± 20	19	1,0	700	1,5	238	271
CT1206M4G	8	± 20	17	1,0	1500	1,8	240	272
CT1210M4G	8	± 20	17	2,5	5000	1,8	241	273
CT1812M4G	8	± 20	17	5,0	10000	2,5	242	274
CT2220M4G	8	± 20	17	10,0	24000	3,0	245	275
CT0603M6G	11	± 20	27	1,0	200	1,0	238	270
CT0805M6G	11	± 20	27	1,0	600	1,5	239	271
CT0805M6CCG	11	± 20	27	1,0	1500*)	1,5	239	271
CT1206M6G	11	± 20	25	1,0	1200	1,8	240	272
CT1210M6G	11	± 20	25	2,5	4000	1,8	241	273
CT1812M6G	11	± 20	25	5,0	8000	2,5	242	274
CT2220M6G	11	± 20	25	10,0	20000	3,0	245	275
CT0603M7G	12,5	± 20	30	1,0	200	1,0	238	270
CT0603L8G	15	± 15	33	1,0	150	1,0	238	270
CT0805L8G	15	± 15	33	1,0	500	1,5	239	271
CT1206L8G	15	± 15	30	1,0	1000	1,8	240	272
CT1210L8G	15	± 15	30	2,5	3000	1,8	242	273
CT1812L8G	15	± 15	30	5,0	6000	2,5	244	274
CT2220L8G	15	± 15	30	10,0	16000	3,0	245	275
CT0603K11G	18	± 10	35	1,0	100	1,0	238	270
CT0805K11G	18	± 10	35	1,0	400	1,5	239	271
CT1206K11G	18	± 10	33	1,0	800	1,8	240	272
CT1210K11G	18	± 10	33	2,5	2400	1,8	242	273
CT1812K11G	18	± 10	33	5,0	5000	2,5	244	274
CT2220K11G	18	± 10	33	10,0	12000	3,0	245	275
CT0402L14G	23,5	± 15	46	1,0	60**)	0,8	237	269
CT0603K14G	22	± 10	40	1,0	100	1,0	238	270
CT0805K14G	22	± 10	40	1,0	350	1,5	239	271
CT1206K14G	22	± 10	38	1,0	700	1,8	240	272
CT1210K14G	22	± 10	38	2,5	2000	1,8	242	273
CT1812K14G	22	± 10	38	5,0	4500	2,5	244	274
CT2220K14G	22	± 10	38	10,0	10000	3,0	245	275

Also called:

④ breakdown voltage; *) C (1 MHz); ± 20%; **) C_{typ} (1 MHz)

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


SIOV Metal Oxide Varistors
Standard – Nickel Barrier Termination (availability upon request)
Maximum ratings (0402 ... 0603: $T_A = 85\text{ °C}$; 0805 ... 2220: $T_A = 125\text{ °C}$)

Type	Ordering code	V_{RMS}	$V_{DC}^{①}$	$i_{max}^{②}$ 8/20 μs	$W_{max}^{③}$ (2 ms)	P_{max}
SIOV-	NEW	V	V	A	J	W
CT0603K17G	B72500-T0170-K060	17	22	30	0,2	0,003
CT0603K17LCG	B72500-T2170-K060	17	22	10	0,1	0,001
CT0805K17G	B72510-T0170-K062	17	22	120	0,3	0,005
CT0805K17LCG	B72510-T2170-K062	17	22	30	0,1	0,004
CT1206K17G	B72520-T0170-K062	17	22	200	0,6	0,008
CT1210K17G	B72530-T0170-K062	17	22	400	1,7	0,010
CT1812K17G	B72580-T0170-K062	17	22	800	2,7	0,015
CT2220K17G	B72540-T0170-K062	17	22	1200	7,2	0,020
CT0603K20G	B72500-T0200-K060	20	26	30	0,2	0,003
CT0805K20G	B72510-T0200-K062	20	26	80	0,3	0,005
CT1206K20G	B72520-T0200-K062	20	26	200	0,7	0,008
CT1210K20G	B72530-T0200-K062	20	26	400	1,9	0,010
CT1812K20G	B72580-T0200-K062	20	26	800	3,0	0,015
CT2220K20G	B72540-T0200-K062	20	26	1200	7,8	0,020
CT0603K25G	B72500-T0250-K060	25	31	30	0,3	0,003
CT0805K25G	B72510-T0250-K062	25	31	80	0,3	0,005
CT1206K25G	B72520-T0250-K062	25	31	200	1,0	0,008
CT1210K25G	B72530-T0250-K062	25	31	300	1,7	0,010
CT1812K25G	B72580-T0250-K062	25	31	800	3,7	0,015
CT2220K25G	B72540-T0250-K062	25	31	1200	9,6	0,020
CT0805K30G	B72510-T0300-K062	30	38	80	0,3	0,005
CT1206K30G	B72520-T0300-K062	30	38	200	1,1	0,008
CT1210K30G	B72530-T0300-K062	30	38	300	2,0	0,010
CT1812K30G	B72580-T0300-K062	30	38	800	4,2	0,015
CT2220K30G	B72540-T0300-K062	30	38	1200	12,0	0,020
CT1206K35G	B72520-T0350-K062	35	45	100	0,4	0,008
CT1210K35G	B72530-T0350-K062	35	45	250	2,0	0,010
CT1812K35G	B72580-T0350-K062	35	45	500	4,0	0,015
CT2220K35G	B72540-T0350-K062	35	45	1000	7,7	0,020
CT1206K40G	B72520-T0400-K062	40	56	100	0,5	0,008
CT1210K40G	B72530-T0400-K062	40	56	250	2,3	0,010
CT1812K40G	B72580-T0400-K062	40	56	500	4,8	0,015
CT2220K40G	B72540-T0400-K062	40	56	1000	9,0	0,020

Also called:

Note: New ordering codes implemented
 (refer to chapter [Varistor Type Cross-Reference List](#))

① working voltage; ② peak current; ③ transient energy

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).

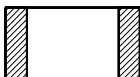

Characteristics ($T_A = 25\text{ °C}$)

Type	$V_V^{(4)}$ (1 mA) V	ΔV_V (1 mA) %	Max. clamping voltage		C_{typ} (1 kHz) pF	L_{typ} nH	Derating curve Page	V/I char- acteristic Page
			v V	i A				
CT0603K17G	27	± 10	46	1,0	100	1,0	238	270
CT0603K17LCG	27	± 10	50	1,0	< 50	1,0	237	270
CT0805K17G	27	± 10	46	1,0	400	1,5	239	271
CT0805K17LCG	27	+22/-8 [*])	50	1,0	< 100	1,0	238	271
CT1206K17G	27	± 10	44	1,0	650	1,8	240	272
CT1210K17G	27	± 10	44	2,5	1800	1,8	242	273
CT1812K17G	27	± 10	44	5,0	4000	2,5	244	274
CT2220K17G	27	± 10	44	10,0	9000	3,0	245	275
CT0603K20G	33	± 10	56	1,0	90	1,0	238	270
CT0805K20G	33	± 10	56	1,0	300	1,5	239	271
CT1206K20G	33	± 10	54	1,0	600	1,8	240	272
CT1210K20G	33	± 10	54	2,5	1500	1,8	242	273
CT1812K20G	33	± 10	54	5,0	3000	2,5	244	274
CT2220K20G	33	± 10	54	10,0	7000	3,0	245	275
CT0603K25G	39	± 10	67	1,0	90 ^{**)}	1,0	238	270
CT0805K25G	39	± 10	67	1,0	250	1,5	239	271
CT1206K25G	39	± 10	65	1,0	550	1,8	240	272
CT1210K25G	39	± 10	65	2,5	1200	1,8	241	273
CT1812K25G	39	± 10	65	5,0	2500	2,5	244	274
CT2220K25G	39	± 10	65	10,0	5000	3,0	245	275
CT0805K30G	47	± 10	77	1,0	200	1,0	239	271
CT1206K30G	47	± 10	77	1,0	500	1,8	240	272
CT1210K30G	47	± 10	77	2,5	1000	1,8	241	273
CT1812K30G	47	± 10	77	5,0	2000	2,5	244	274
CT2220K30G	47	± 10	77	10,0	4000	3,0	245	275
CT1206K35G	56	± 10	90	1,0	200	1,8	238	272
CT1210K35G	56	± 10	90	2,5	600	1,8	241	273
CT1812K35G	56	± 10	90	5,0	1200	2,5	242	274
CT2220K35G	56	± 10	90	10,0	2500	3,0	245	275
CT1206K40G	68	± 10	110	1,0	250	1,8	238	272
CT1210K40G	68	± 10	110	2,5	500	1,8	241	273
CT1812K40G	68	± 10	110	5,0	1000	2,5	242	274
CT2220K40G	68	± 10	110	10,0	2000	3,0	245	275

Also called:

④ breakdown voltage; *) tolerance differs from standard; **) C_{typ} (1 MHz)

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


SIOV Metal Oxide Varistors
Standard – Nickel Barrier Termination (availability upon request)
Maximum ratings (0402 ... 0603: $T_A = 85\text{ °C}$; 0805 ... 2220: $T_A = 125\text{ °C}$)

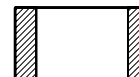
Type	Ordering code	V_{RMS}	V_{DC} ^①	i_{max} ^② 8/20 μ s	W_{max} ^③ (2 ms)	P_{max}
SIOV-	NEW	V	V	A	J	W
CT1206K50G	B72520-T0500-K062	50	65	100	0,6	0,008
CT1210K50G	B72530-T0500-K062	50	65	200	1,6	0,010
CT1812K50G	B72580-T0500-K062	50	65	400	4,5	0,015
CT2220K50G	B72540-T0500-K062	50	65	800	5,6	0,020
CT1206K60G	B72520-T0600-K062	60	85	100	0,7	0,008
CT1210K60G	B72530-T0600-K062	60	85	200	2,0	0,010
CT1812K60G	B72580-T0600-K062	60	85	400	5,8	0,015
CT2220K60G	B72540-T0600-K062	60	85	800	6,8	0,020

Also called:

Note: New ordering codes implemented
 (refer to chapter [Varistor Type Cross-Reference List](#))

① working voltage; ② peak current; ③ transient energy

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


Characteristics ($T_A = 25\text{ °C}$)

Type	$V_V^{④}$ (1 mA) V	ΔV_V (1 mA) %	Max. clamping voltage		C_{typ} (1 kHz) pF	L_{typ} nH	Derating curve Page	V/I char- acteristic Page
			v V	i A				
CT1206K50G	82	± 10	135	1,0	120	1,8	238	272
CT1210K50G	82	± 10	135	2,5	250	1,8	240	273
CT1812K50G	82	± 10	135	5,0	500	2,5	242	274
CT2220K50G	82	± 10	135	10,0	1000	3,0	244	275
CT1206K60G	100	± 10	165	1,0	100	1,8	238	272
CT1210K60G	100	± 10	165	2,5	200	1,8	240	273
CT1812K60G	100	± 10	165	5,0	400	2,5	242	274
CT2220K60G	100	± 10	165	10,0	800	3,0	244	275

Also called:

④ breakdown voltage;

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


SIOV Metal Oxide Varistors
Standard – Silver Palladium Termination (0402: Silver Platinum)
Maximum ratings (0402 ... 0603: $T_A = 85\text{ °C}$; 0805 ... 2220: $T_A = 125\text{ °C}$)

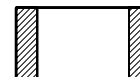
Type	Ordering code	V_{RMS}	$V_{DC}^{①}$	$i_{max}^{②}$ 8/20 μs	$W_{max}^{③}$ (2 ms)	P_{max}
SIOV-	NEW	V	V	A	J	W
CN0603M4G	B72500-V0040-M060	4	5,5	30	0,1	0,003
CN0805M4G	B72510-V0040-M062	4	5,5	100	0,1	0,005
CN1206M4G	B72520-V0040-M062	4	5,5	150	0,3	0,008
CN1210M4G	B72530-V0040-M062	4	5,5	250	0,4	0,010
CN1812M4G	B72580-V0040-M062	4	5,5	500	0,8	0,015
CN2220M4G	B72540-V0040-M062	4	5,5	1000	1,4	0,020
CN0603M6G	B72500-V0060-M060	6	8	30	0,1	0,003
CN0805M6G	B72510-V0060-M062	6	8	120	0,2	0,005
CN0805M6CCG	B72510-V5060-M062	6	8	120	0,2	0,005
CN1206M6G	B72520-V0060-M062	6	8	200	0,4	0,008
CN1210M6G	B72530-V0060-M062	6	8	300	0,7	0,010
CN1812M6G	B72580-V0060-M062	6	8	500	1,0	0,015
CN2220M6G	B72540-V0060-M062	6	8	1200	3,6	0,020
CN0603M7G	B72500-V0070-M060	7	9	30	0,1	0,003
CN0603L8G	B72500-V0080-L060	8	11	30	0,1	0,003
CN0805L8G	B72510-V0080-L062	8	11	120	0,2	0,005
CN1206L8G	B72520-V0080-L062	8	11	200	0,5	0,008
CN1210L8G	B72530-V0080-L062	8	11	400	1,0	0,010
CN1812L8G	B72580-V0080-L062	8	11	800	1,8	0,015
CN2220L8G	B72540-V0080-L062	8	11	1200	4,2	0,020
CN0603K11G	B72500-V0110-K060	11	14	30	0,2	0,003
CN0805K11G	B72510-V0110-K062	11	14	120	0,2	0,005
CN1206K11G	B72520-V0110-K062	11	14	200	0,5	0,008
CN1210K11G	B72530-V0110-K062	11	14	400	1,2	0,010
CN1812K11G	B72580-V0110-K062	11	14	800	1,9	0,015
CN2220K11G	B72540-V0110-K062	11	14	1200	5,4	0,020
CN0402L14GK2	B72592-V0140-L060	14	16	10	0,01	0,003
CN0603K14G	B72500-V0140-K060	14	18	30	0,2	0,003
CN0805K14G	B72510-V0140-K062	14	18	120	0,3	0,005
CN1206K14G	B72520-V0140-K062	14	18	200	0,5	0,008
CN1210K14G	B72530-V0140-K062	14	18	400	1,5	0,010
CN1812K14G	B72580-V0140-K062	14	18	800	2,3	0,015
CN2220K14G	B72540-V0140-K062	14	18	1200	5,8	0,020

Also called:

Note: New ordering codes implemented
 (refer to chapter [Varistor Type Cross-Reference List](#))

① working voltage; ② peak current; ③ transient energy

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


Characteristics ($T_A = 25\text{ °C}$)

Type	$V_V^{④}$ (1 mA) V	ΔV_V (1 mA) %	Max. clamping voltage		C_{typ} (1 kHz) pF	L_{typ} nH	Derating curve Page	V/I char- acteristic Page
			v V	i A				
CN0603M4G	8	± 20	19	1,0	200	1,0	238	270
CN0805M4G	8	± 20	19	1,0	700	1,5	238	271
CN1206M4G	8	± 20	17	1,0	1500	1,8	240	272
CN1210M4G	8	± 20	17	2,5	5000	1,8	241	273
CN1812M4G	8	± 20	17	5,0	10000	2,5	242	274
CN2220M4G	8	± 20	17	10,0	24000	3,0	245	275
CN0603M6G	11	± 20	27	1,0	200	1,0	238	270
CN0805M6G	11	± 20	27	1,0	600	1,5	239	271
CN0805M6CCG	11	± 20	27	1,0	1500*)	1,5	239	271
CN1206M6G	11	± 20	25	1,0	1200	1,8	240	272
CN1210M6G	11	± 20	25	2,5	4000	1,8	241	273
CN1812M6G	11	± 20	25	5,0	8000	2,5	242	274
CN2220M6G	11	± 20	25	10,0	20000	3,0	245	275
CN0603M7G	12,5	± 20	30	1,0	200	1,0	238	270
CN0603L8G	15	± 15	33	1,0	150	1,0	238	270
CN0805L8G	15	± 15	33	1,0	500	1,5	239	271
CN1206L8G	15	± 15	30	1,0	1000	1,8	240	272
CN1210L8G	15	± 15	30	2,5	3000	1,8	242	273
CN1812L8G	15	± 15	30	5,0	6000	2,5	244	274
CN2220L8G	15	± 15	30	10,0	16000	3,0	245	275
CN0603K11G	18	± 10	35	1,0	100	1,0	238	270
CN0805K11G	18	± 10	35	1,0	400	1,5	239	271
CN1206K11G	18	± 10	33	1,0	800	1,8	240	272
CN1210K11G	18	± 10	33	2,5	2400	1,8	242	273
CN1812K11G	18	± 10	33	5,0	5000	2,5	244	274
CN2220K11G	18	± 10	33	10,0	12000	3,0	245	275
CN0402L14GK2	23,5	± 15	46	1,0	60**)	0,8	237	269
CN0603K14G	22	± 10	40	1,0	100	1,0	238	270
CN0805K14G	22	± 10	40	1,0	350	1,5	239	271
CN1206K14G	22	± 10	38	1,0	700	1,8	240	272
CN1210K14G	22	± 10	38	2,5	2000	1,8	242	273
CN1812K14G	22	± 10	38	5,0	4500	2,5	244	274
CN2220K14G	22	± 10	38	10,0	10000	3,0	245	275

Also called:

④ breakdown voltage; *) C (1 MHz); ± 20%; **) C_{typ} (1 MHz)

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


SIOV Metal Oxide Varistors
Standard – Silver Palladium Termination (0402: Silver Platinum)
Maximum ratings (0402 ... 0603: $T_A = 85\text{ °C}$; 0805 ... 2220: $T_A = 125\text{ °C}$)

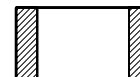
Type	Ordering code	V_{RMS}	$V_{DC}^{①}$	$i_{max}^{②}$ 8/20 μs	$W_{max}^{③}$ (2 ms)	P_{max}
SIOV-	NEW	V	V	A	J	W
CN0603K17G	B72500-V0170-K060	17	22	30	0,2	0,003
CN0603K17LCG	B72500-V2170-K060	17	22	10	0,1	0,001
CN0805K17G	B72510-V0170-K062	17	22	120	0,3	0,005
CN0805K17LCG	B72510-V2170-K062	17	22	30	0,1	0,004
CN1206K17G	B72520-V0170-K062	17	22	200	0,6	0,008
CN1210K17G	B72530-V0170-K062	17	22	400	1,7	0,010
CN1812K17G	B72580-V0170-K062	17	22	800	2,7	0,015
CN2220K17G	B72540-V0170-K062	17	22	1200	7,2	0,020
CN0603K20G	B72500-V0200-K060	20	26	30	0,3	0,003
CN0805K20G	B72510-V0200-K062	20	26	80	0,3	0,005
CN1206K20G	B72520-V0200-K062	20	26	200	0,7	0,008
CN1210K20G	B72530-V0200-K062	20	26	400	1,9	0,010
CN1812K20G	B72580-V0200-K062	20	26	800	3,0	0,015
CN2220K20G	B72540-V0200-K062	20	26	1200	7,8	0,020
CN0603K25G	B72500-V0250-K060	25	31	30	0,3	0,003
CN0805K25G	B72510-V0250-K062	25	31	80	0,3	0,005
CN1206K25G	B72520-V0250-K062	25	31	200	1,0	0,008
CN1210K25G	B72530-V0250-K062	25	31	300	1,7	0,010
CN1812K25G	B72580-V0250-K062	25	31	800	3,7	0,015
CN2220K25G	B72540-V0250-K062	25	31	1200	9,6	0,020
CN0805K30G	B72510-V0300-K062	30	38	80	0,3	0,005
CN1206K30G	B72520-V0300-K062	30	38	200	1,1	0,008
CN1210K30G	B72530-V0300-K062	30	38	300	2,0	0,010
CN1812K30G	B72580-V0300-K062	30	38	800	4,2	0,015
CN2220K30G	B72540-V0300-K062	30	38	1200	12,0	0,020
CN1206K35G	B72520-V0350-K062	35	45	100	0,4	0,008
CN1210K35G	B72530-V0350-K062	35	45	250	2,0	0,010
CN1812K35G	B72580-V0350-K062	35	45	500	4,0	0,015
CN2220K35G	B72540-V0350-K062	35	45	1000	7,7	0,020
CN1206K40G	B72520-V0400-K062	40	56	100	0,5	0,008
CN1210K40G	B72530-V0400-K062	40	56	250	2,3	0,010
CN1812K40G	B72580-V0400-K062	40	56	500	4,8	0,015
CN2220K40G	B72540-V0400-K062	40	56	1000	9,0	0,020

Also called:

Note: New ordering codes implemented
 (refer to chapter [Varistor Type Cross-Reference List](#))

① working voltage; ② peak current; ③ transient energy

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).

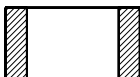

Characteristics ($T_A = 25\text{ °C}$)

Type	$V_V^{④}$ (1 mA) V	ΔV_V (1 mA) %	Max. clamping voltage		C_{typ} (1 kHz) pF	L_{typ} nH	Derating curve Page	V/I char- acteristic Page
			v V	i A				
CN0603K17G	27	± 10	46	1,0	100	1,0	238	270
CN0603K17LCG	27	± 10	50	1,0	< 50	1,0	237	270
CN0805K17G	27	± 10	46	1,0	400	1,5	239	271
CN0805K17LCG	27	+22/-8*)	50	1,0	< 100	1,0	238	271
CN1206K17G	27	± 10	44	1,0	650	1,8	240	272
CN1210K17G	27	± 10	44	2,5	1800	1,8	242	273
CN1812K17G	27	± 10	44	5,0	4000	2,5	244	274
CN2220K17G	27	± 10	44	10,0	9000	3,0	245	275
CN0603K20G	33	± 10	56	1,0	90	1,0	238	270
CN0805K20G	33	± 10	56	1,0	300	1,5	239	271
CN1206K20G	33	± 10	54	1,0	600	1,8	240	272
CN1210K20G	33	± 10	54	2,5	1500	1,8	242	273
CN1812K20G	33	± 10	54	5,0	3000	2,5	244	274
CN2220K20G	33	± 10	54	10,0	7000	3,0	245	275
CN0603K25G	39	± 10	67	1,0	90**)	1,0	238	270
CN0805K25G	39	± 10	67	1,0	250	1,5	239	271
CN1206K25G	39	± 10	65	1,0	550	1,8	240	272
CN1210K25G	39	± 10	65	2,5	1200	1,8	241	273
CN1812K25G	39	± 10	65	5,0	2500	2,5	244	274
CN2220K25G	39	± 10	65	10,0	5000	3,0	245	275
CN0805K30G	47	± 10	77	1,0	200	1,0	239	271
CN1206K30G	47	± 10	77	1,0	500	1,8	240	272
CN1210K30G	47	± 10	77	2,5	1000	1,8	241	273
CN1812K30G	47	± 10	77	5,0	2000	2,5	244	274
CN2220K30G	47	± 10	77	10,0	4000	3,0	245	275
CN1206K35G	56	± 10	90	1,0	200	1,8	238	272
CN1210K35G	56	± 10	90	2,5	600	1,8	241	273
CN1812K35G	56	± 10	90	5,0	1200	2,5	242	274
CN2220K35G	56	± 10	90	10,0	2500	3,0	245	275
CN1206K40G	68	± 10	110	1,0	250	1,8	238	272
CN1210K40G	68	± 10	110	2,5	500	1,8	241	273
CN1812K40G	68	± 10	110	5,0	1000	2,5	242	274
CN2220K40G	68	± 10	110	10,0	2000	3,0	245	275

Also called:

④ breakdown voltage; * tolerance differs from standard; ** C_{typ} (1 MHz)

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


SIOV Metal Oxide Varistors
Standard – Silver Palladium Termination (0402: Silver Platinum)
Maximum ratings (0402 ... 0603: $T_A = 85\text{ °C}$; 0805 ... 2220: $T_A = 125\text{ °C}$)

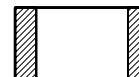
Type	Ordering code	V_{RMS}	V_{DC} ^①	i_{max} ^② 8/20 μ s	W_{max} ^③ (2 ms)	P_{max}
SIOV-	NEW	V	V	A	J	W
CN1206K50G	B72520-V0500-K062	50	65	100	0,6	0,008
CN1210K50G	B72530-V0500-K062	50	65	200	1,6	0,010
CN1812K50G	B72580-V0500-K062	50	65	400	4,5	0,015
CN2220K50G	B72540-V0500-K062	50	65	800	5,6	0,020
CN1206K60G	B72520-V0600-K062	60	85	100	0,7	0,008
CN1210K60G	B72530-V0600-K062	60	85	200	2,0	0,010
CN1812K60G	B72580-V0600-K062	60	85	400	5,8	0,015
CN2220K60G	B72540-V0600-K062	60	85	800	6,8	0,020

Also called:

Note: New ordering codes implemented
 (refer to chapter [Varistor Type Cross-Reference List](#))

① working voltage; ② peak current; ③ transient energy

A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).


Characteristics ($T_A = 25\text{ °C}$)

Type	$V_V^{④}$ (1 mA) V	ΔV_V (1 mA) %	Max. clamping voltage		C_{typ} (1 kHz) pF	L_{typ} nH	Derating curve Page	V/I char- acteristic Page
			v V	i A				
CN1206K50G	82	± 10	135	1,0	120	1,8	238	272
CN1210K50G	82	± 10	135	2,5	250	1,8	240	273
CN1812K50G	82	± 10	135	5,0	500	2,5	242	274
CN2220K50G	82	± 10	135	10,0	1000	3,0	244	275
CN1206K60G	100	± 10	165	1,0	100	1,8	238	272
CN1210K60G	100	± 10	165	2,5	200	1,8	240	273
CN1812K60G	100	± 10	165	5,0	400	2,5	242	274
CN2220K60G	100	± 10	165	10,0	800	3,0	244	275

Also called:

④ breakdown voltage;

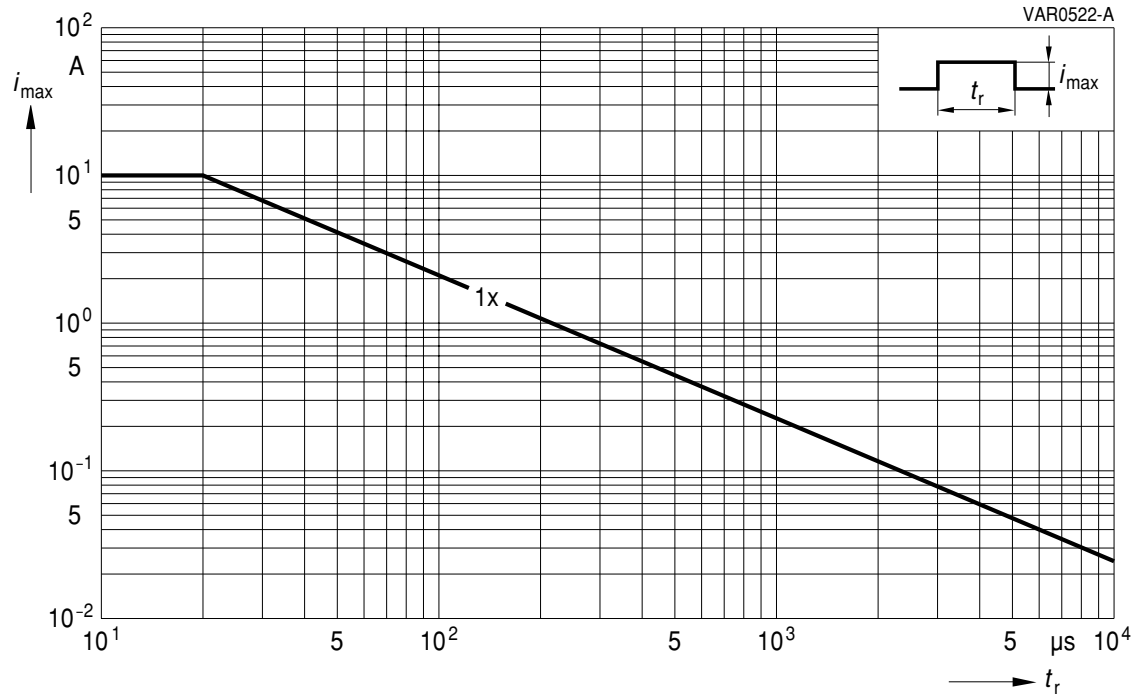
A wide range of HC, CC and LC types are available, upon request (ref. 3.3.6).

SIOV Metal Oxide Varistors

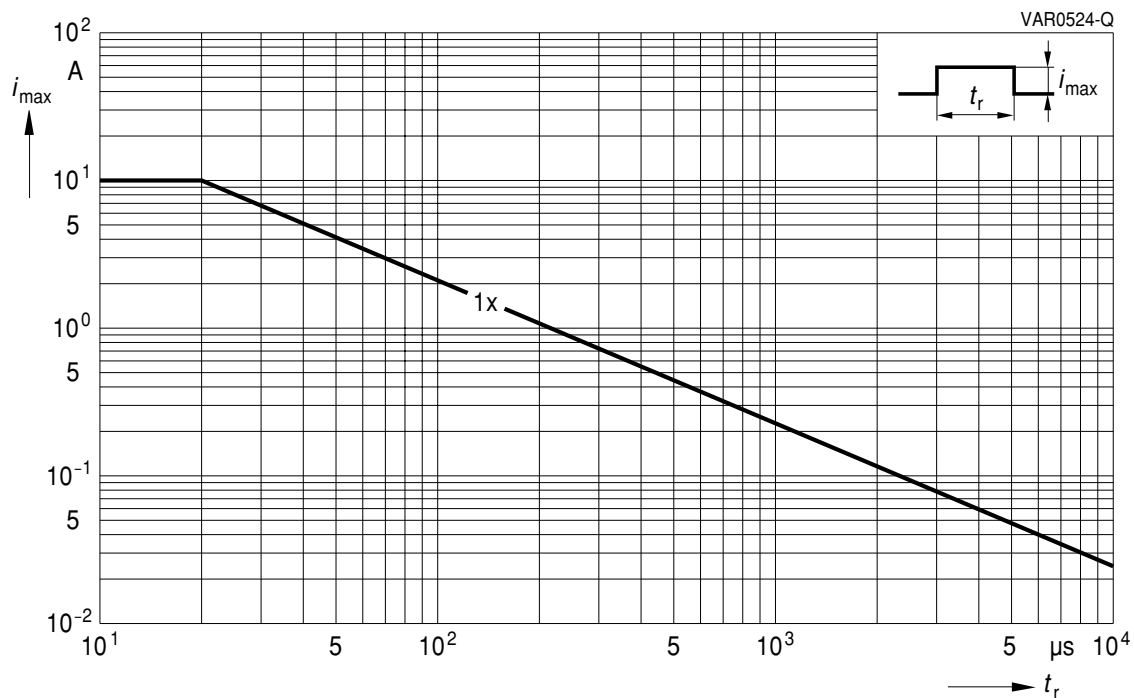
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN0402L14G(K2)
SIOV-CT/CN0603K17LCG



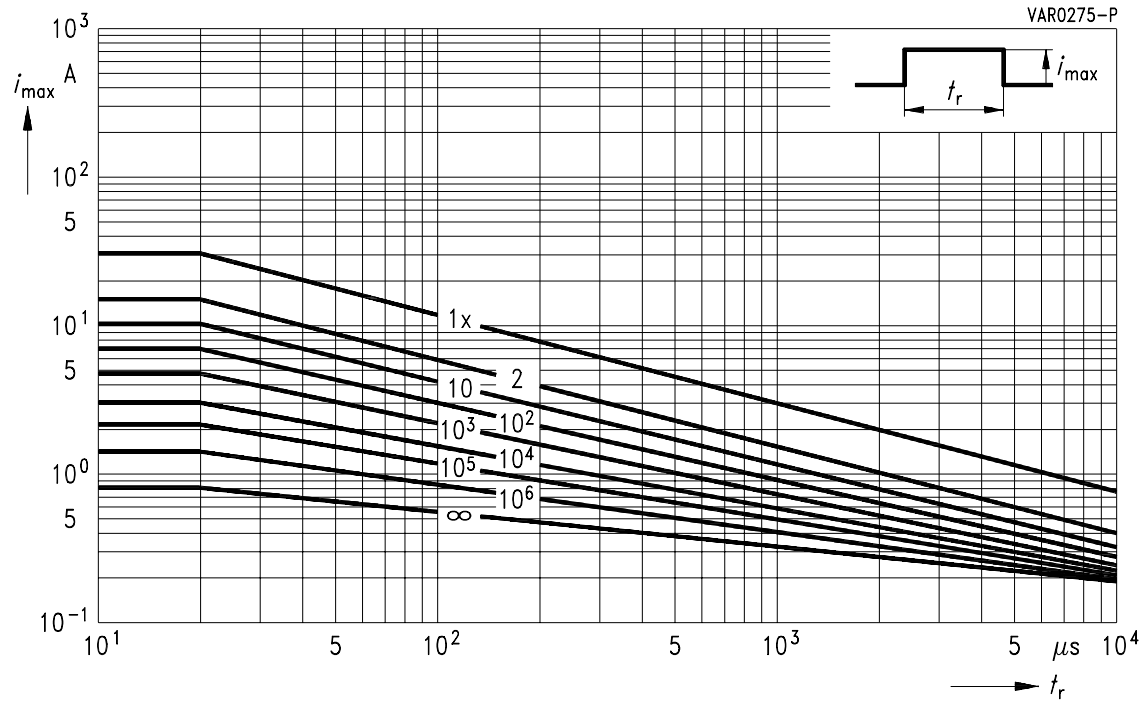
SIOV-CA05P4S17ALCGK2
SIOV-CA04P2S17ALCGK2

SIOV Metal Oxide Varistors

Derating Curves

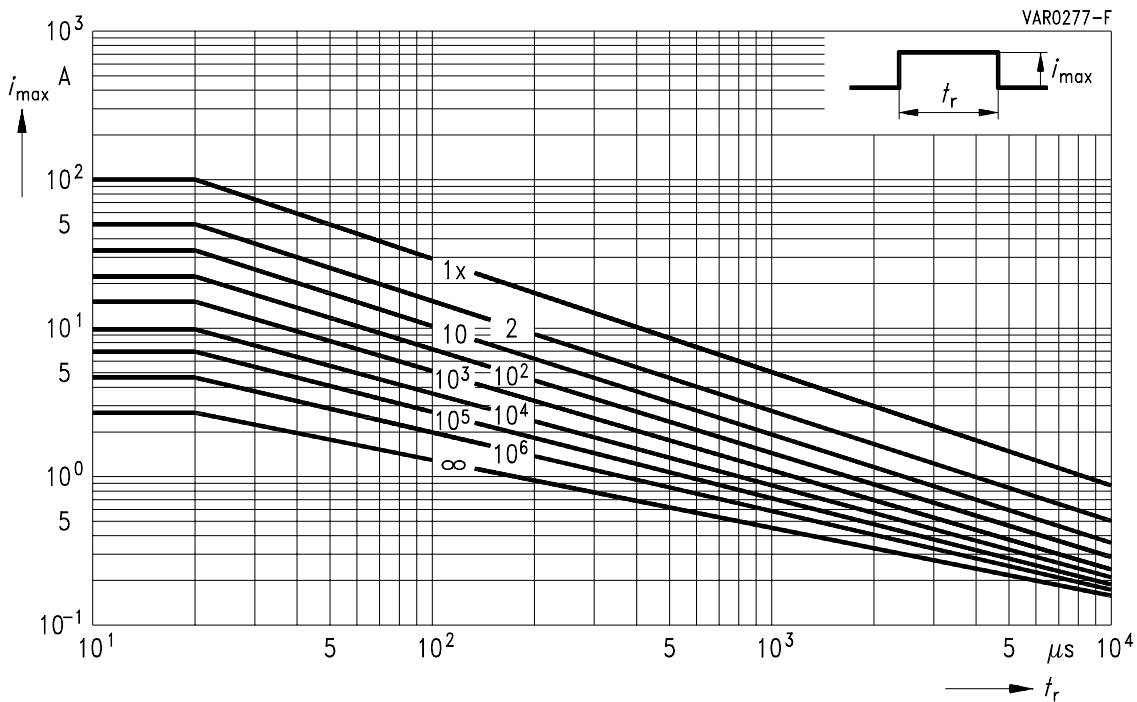
Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN0603M4G ... K25G
SIOV-CT/CN0603S14BAUTOG

SIOV-CT/CN0805K17LCG
SIOV-CA06P4M7GK2 ... S17ALCGK2



SIOV-CT/CN0805M4G

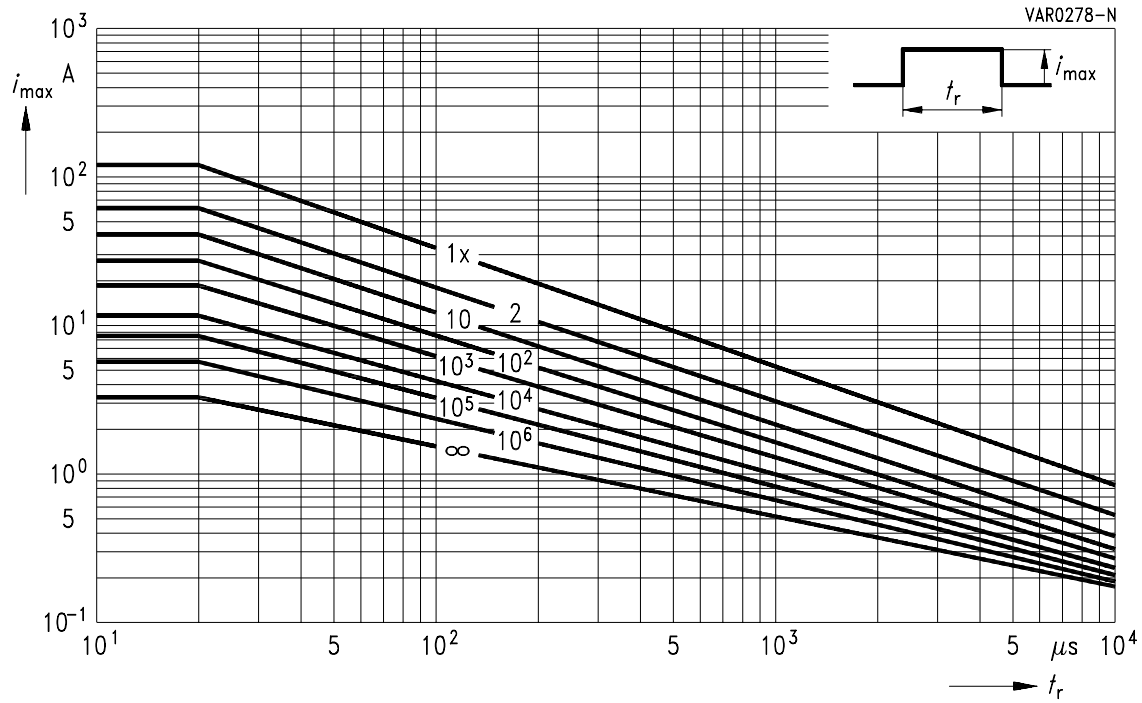
SIOV-CT/CN1206K35G ... K60G

SIOV Metal Oxide Varistors

Derating Curves

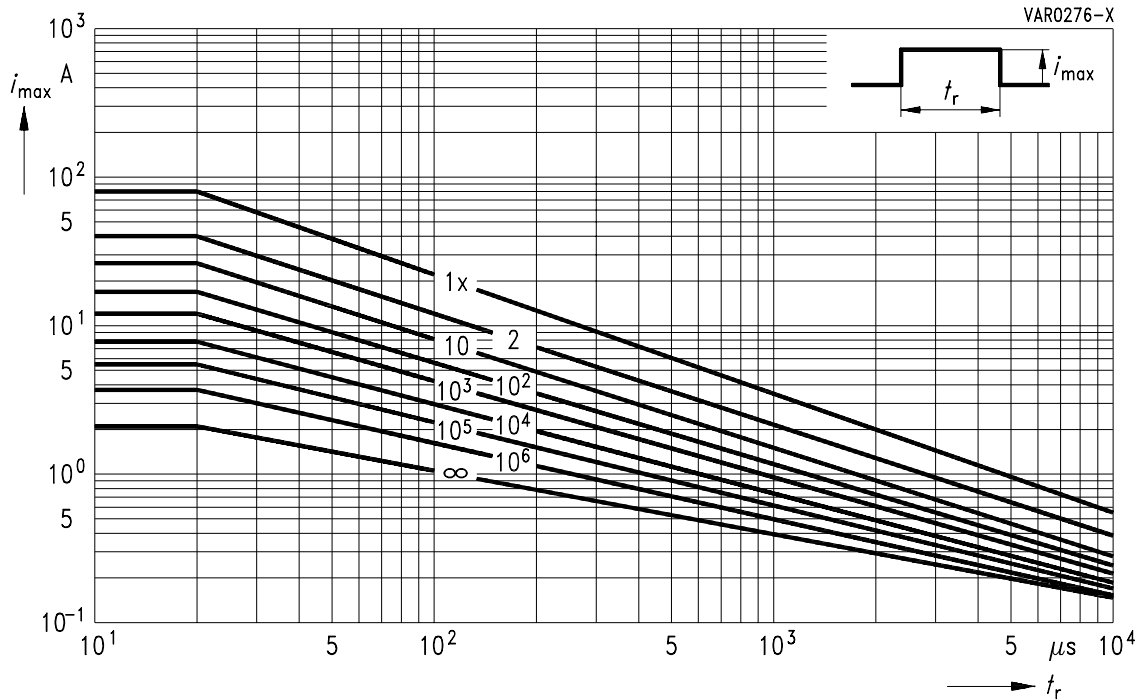
Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN0805M6G ... K17G
SIOV-CT/CN0805S14BAUTOG

SIOV-CT/CN0805M6CCG



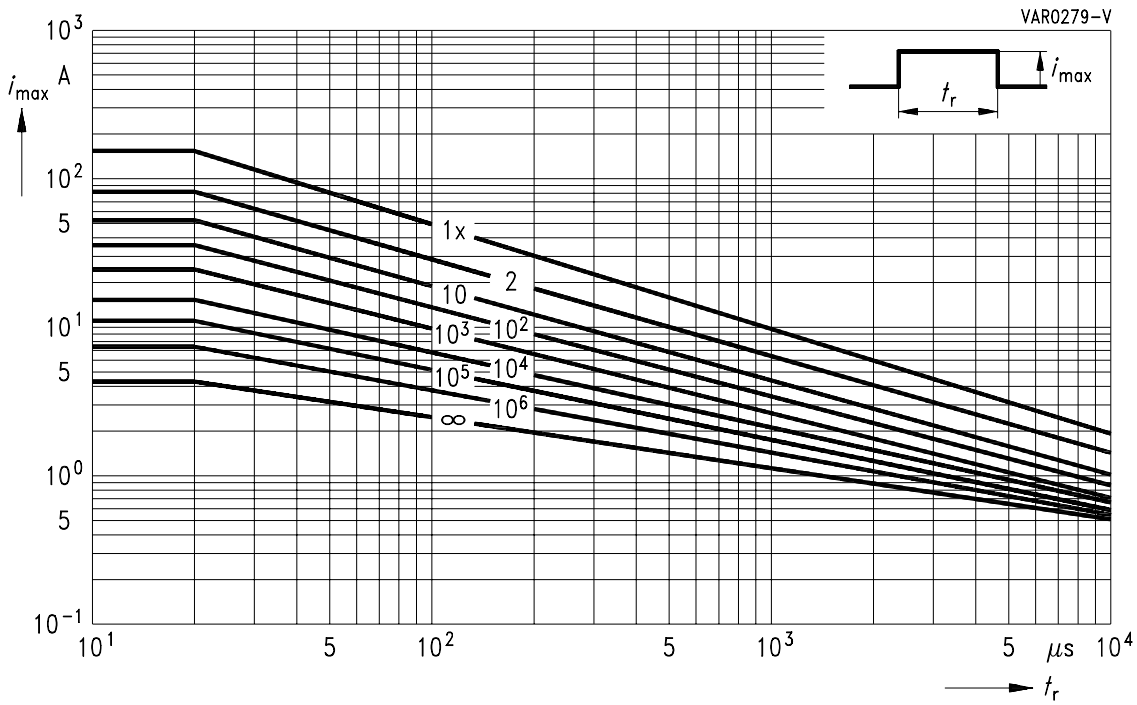
SIOV-CT/CN0805K20G ... K30G

SIOV Metal Oxide Varistors

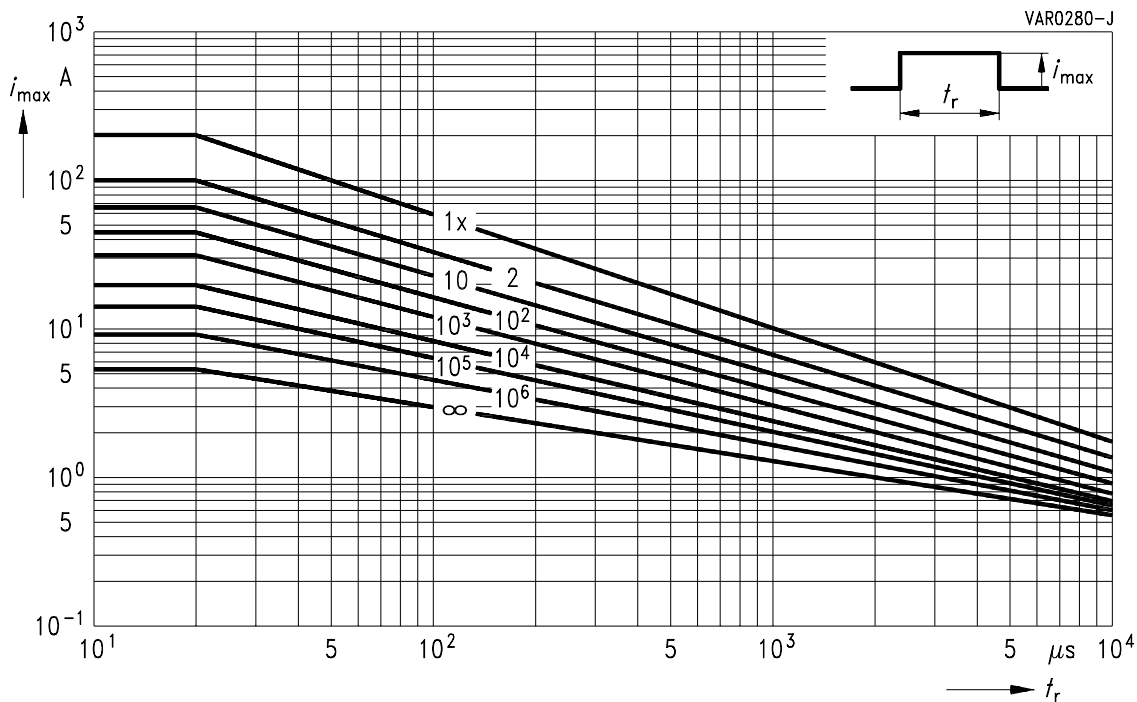
Derating Curves

Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN1206M4G



SIOV-CT/CN1206M6G ... K30G
SIOV-CT/CN1210K50G ... K60G

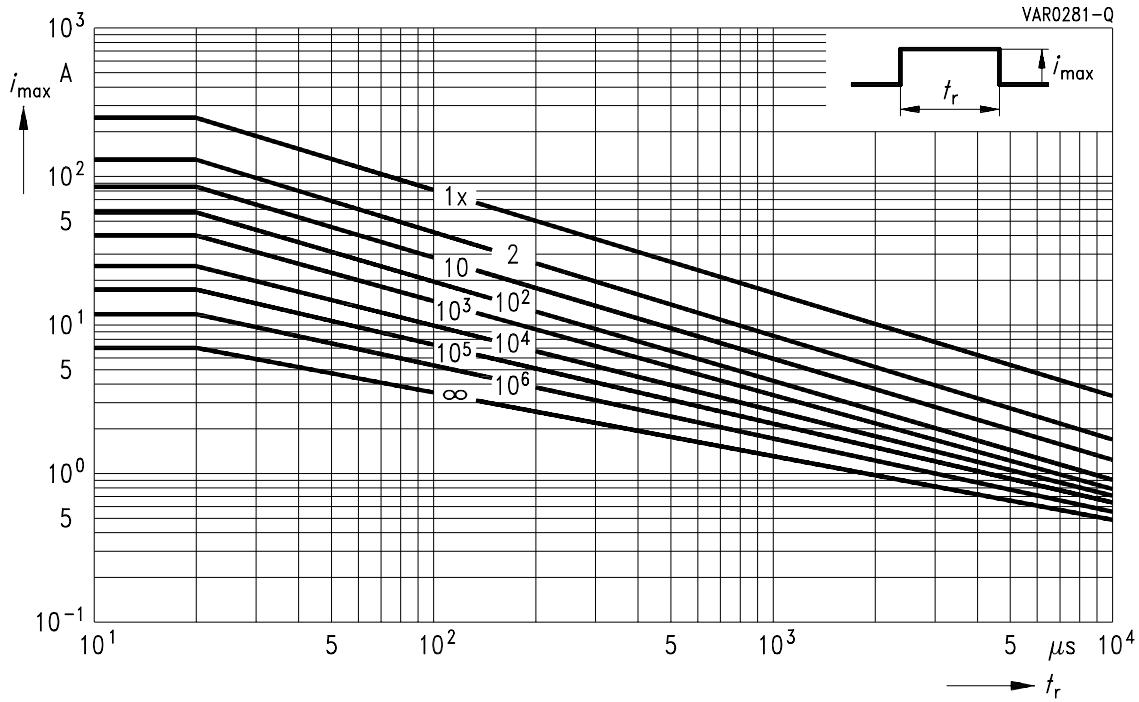
SIOV-CT/CN1206S14BAUTOG

SIOV Metal Oxide Varistors

Derating Curves

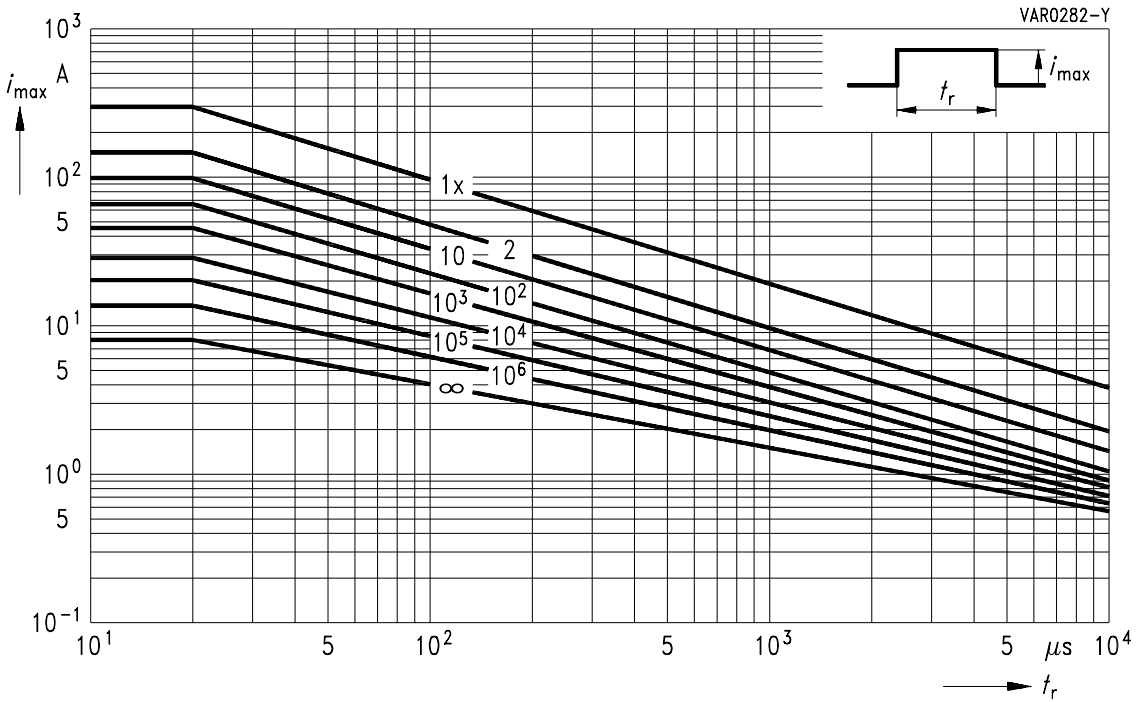
Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN1210M4G

SIOV-CT/CN1210K35G ... K40G



SIOV-CT/CN1210M6G

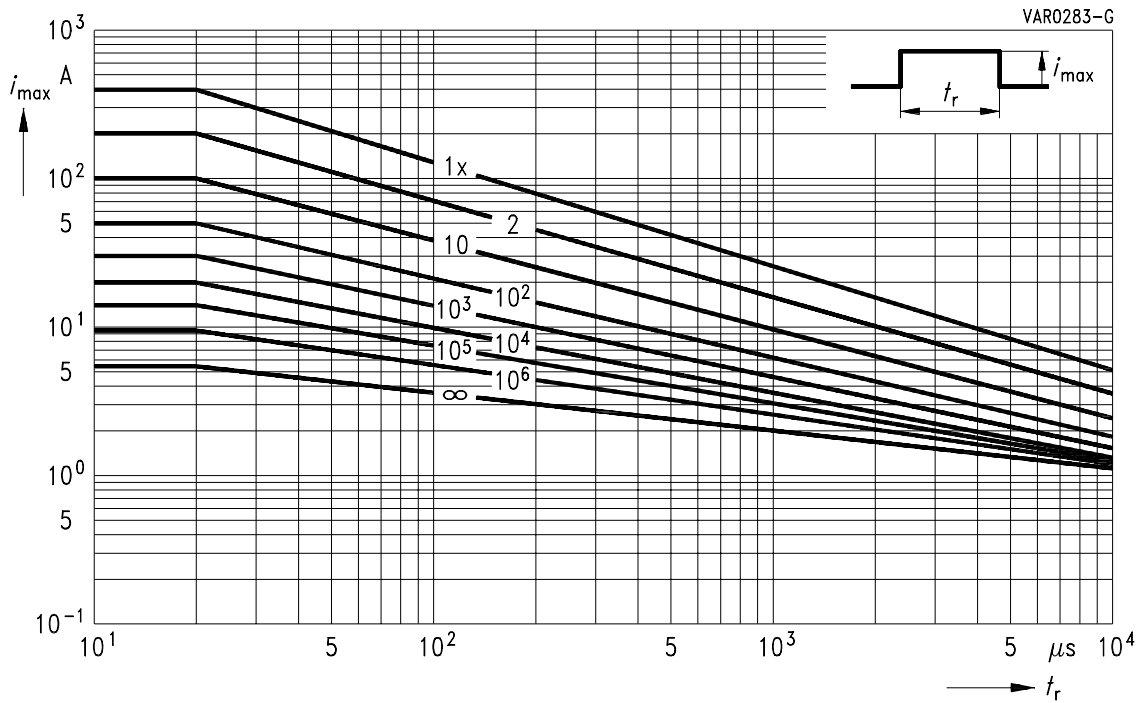
SIOV-CT/CN1210K25G ... K30G

SIOV Metal Oxide Varistors

Derating Curves

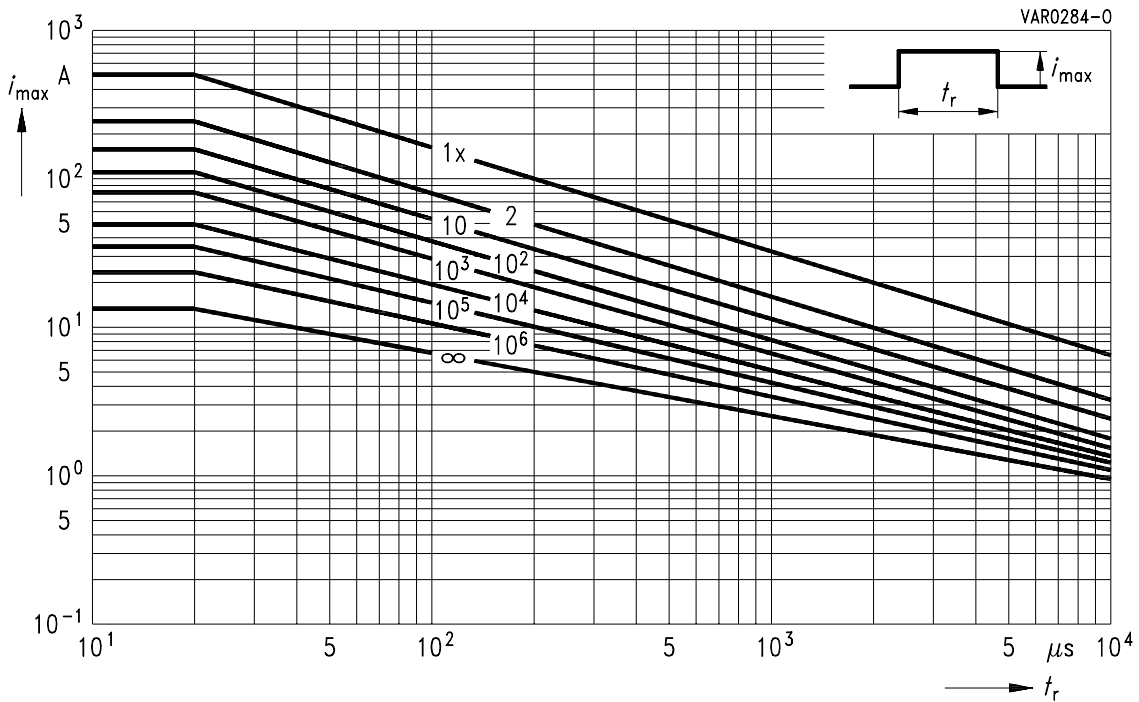
Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN1210L8G ... K20G
SIOV-CT/CN1812K50G ... K60G

SIOV-CT/CN1210S14BAUTOG



SIOV-CT/CN1812M4G ... M6G

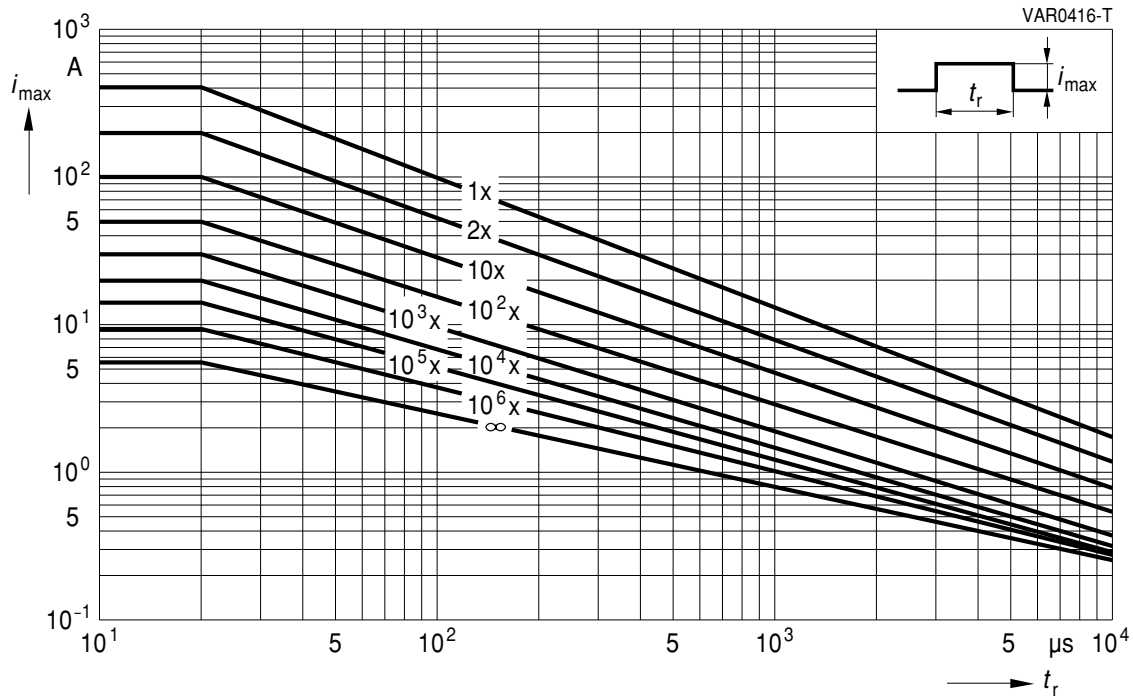
SIOV-CT/CN1812K35G ... K40G

SIOV Metal Oxide Varistors

Derating Curves

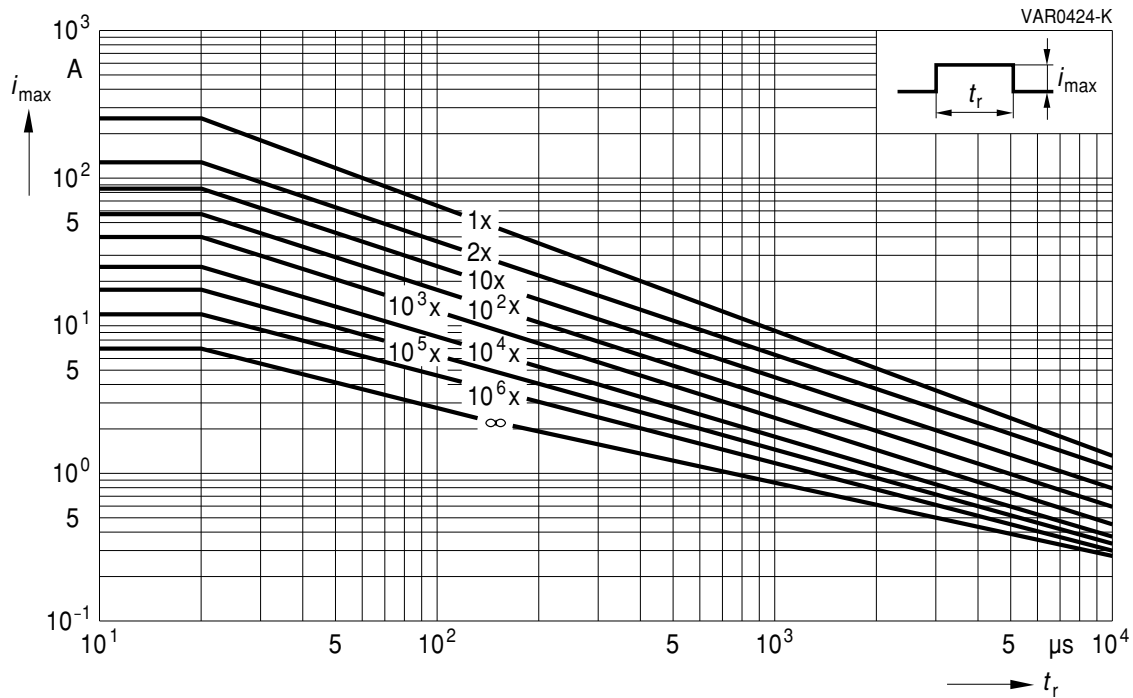
Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN1812S60AG2

SIOV-CT/CN1812K75TELEG2



SIOV-CT/CN1812S95AG2

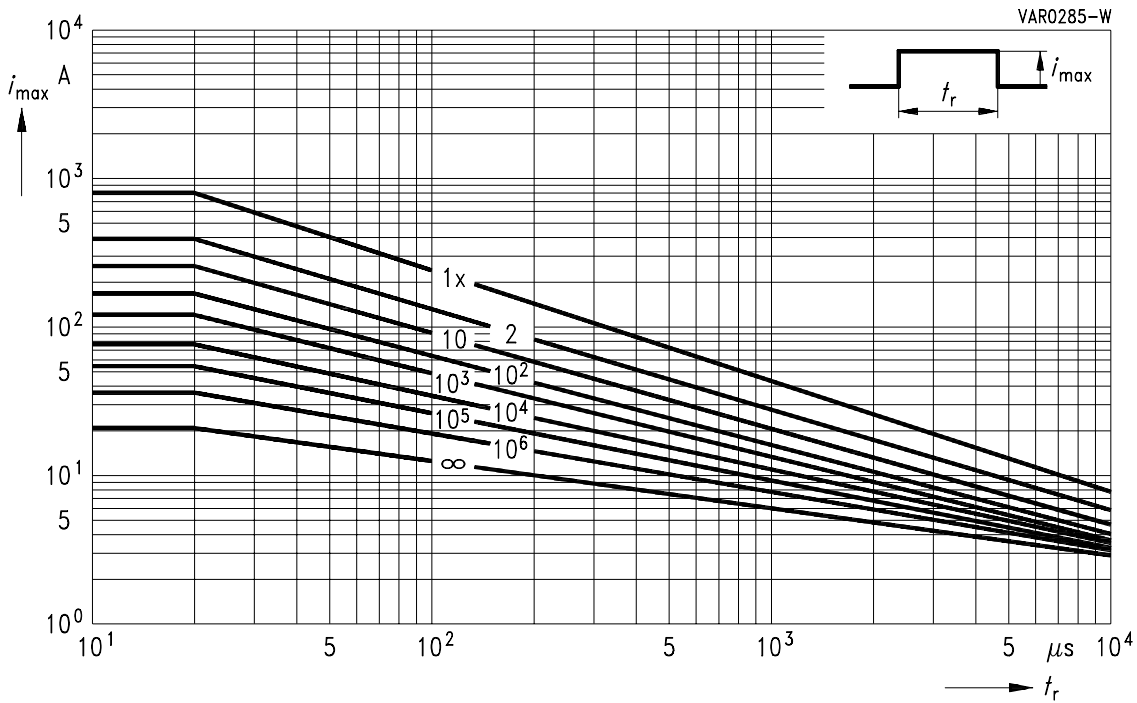
SIOV-CT/CN1812K115 ... K130TELEG2

SIOV Metal Oxide Varistors

Derating Curves

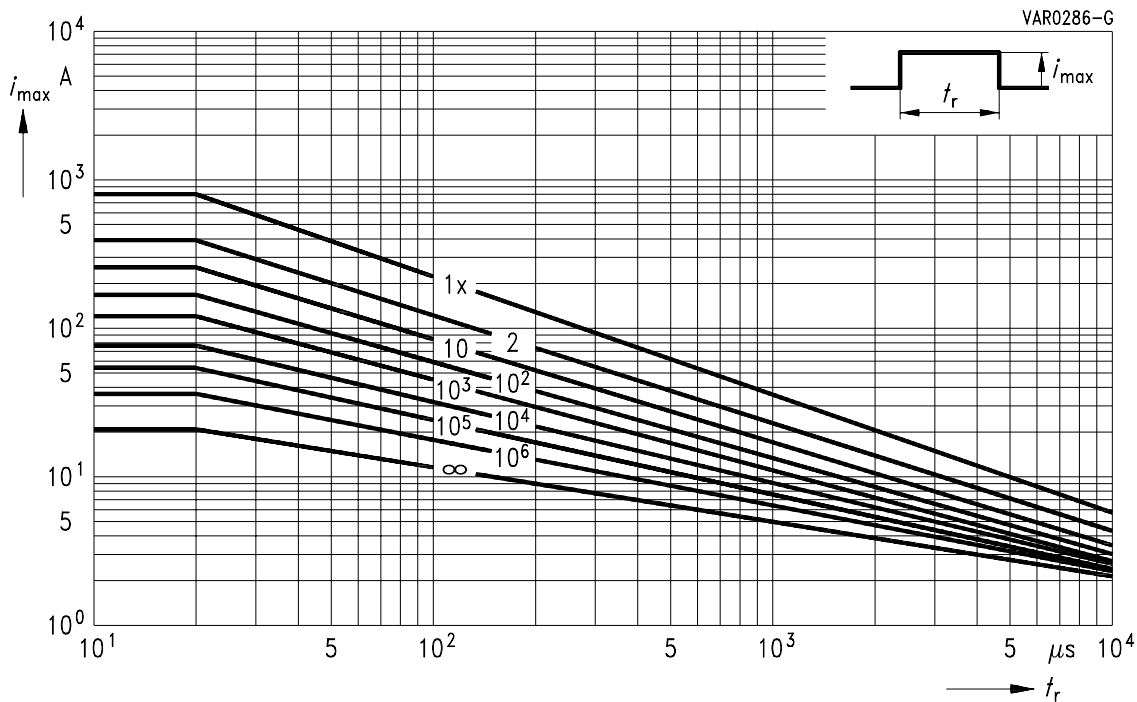
Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN1812L8G ... K30G
SIOV-CT/CN1812S14BAUTOG

SHCV-SR1 ... X/Z



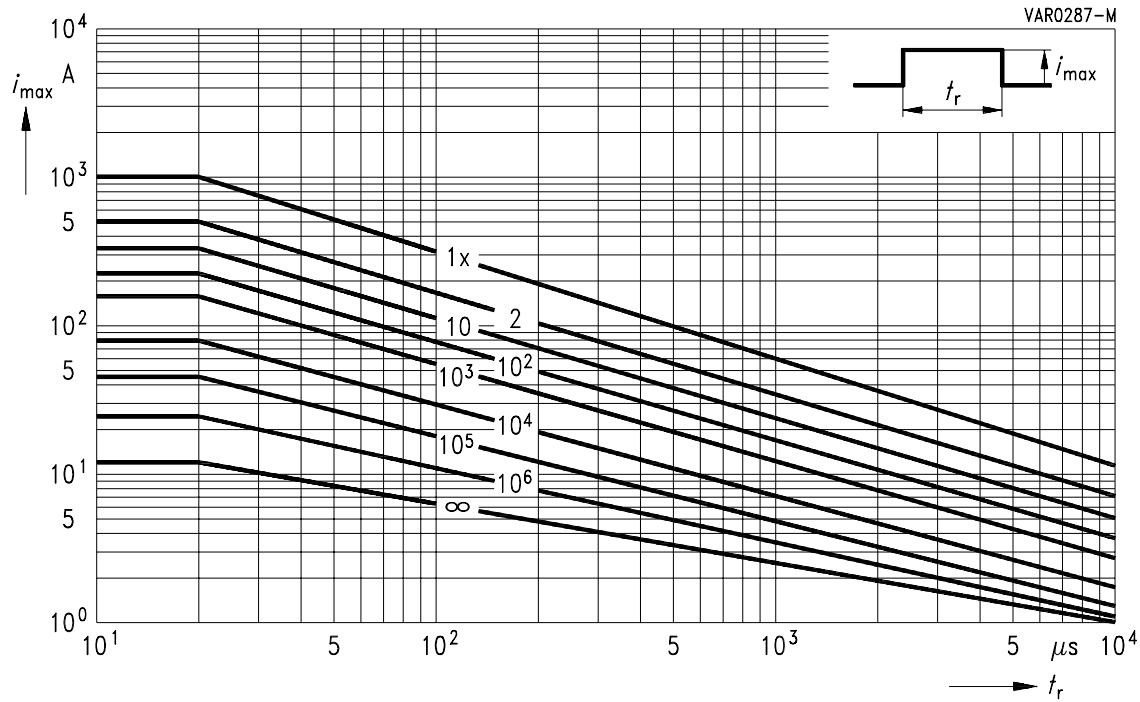
SIOV-CT/CN2220K50G ... K60G

SIOV Metal Oxide Varistors

Derating Curves

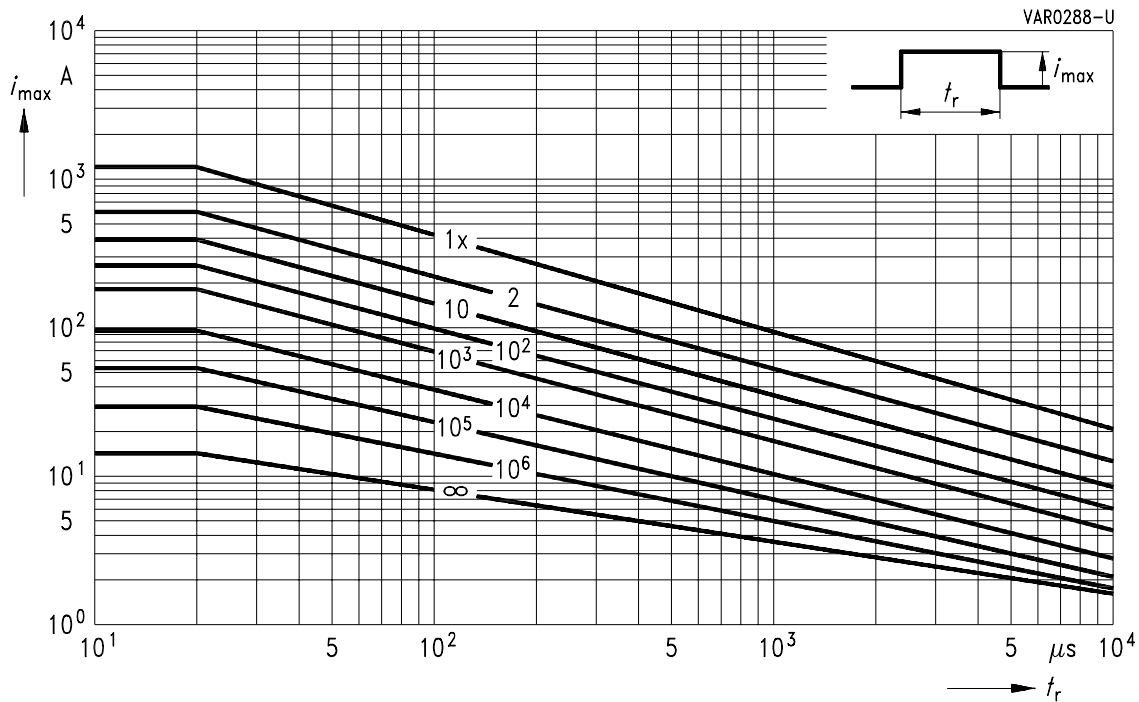
Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-CT/CN2220M4G

SIOV-CT/CN2220K35G ... K40G



SIOV-CT/CN2220M6G ... K30G

SHCV-SR2 ... X/Z

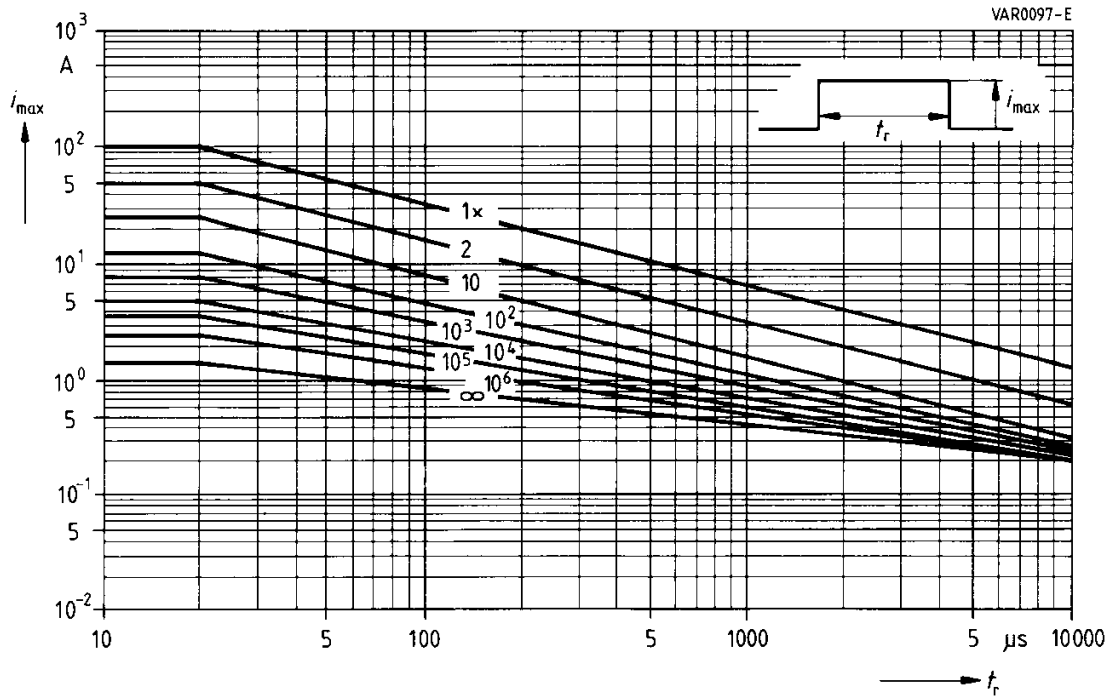
SIOV-CT/CN2220 ... AUTO(E2)G(2)

SIOV Metal Oxide Varistors

Derating Curves

Maximum surge current

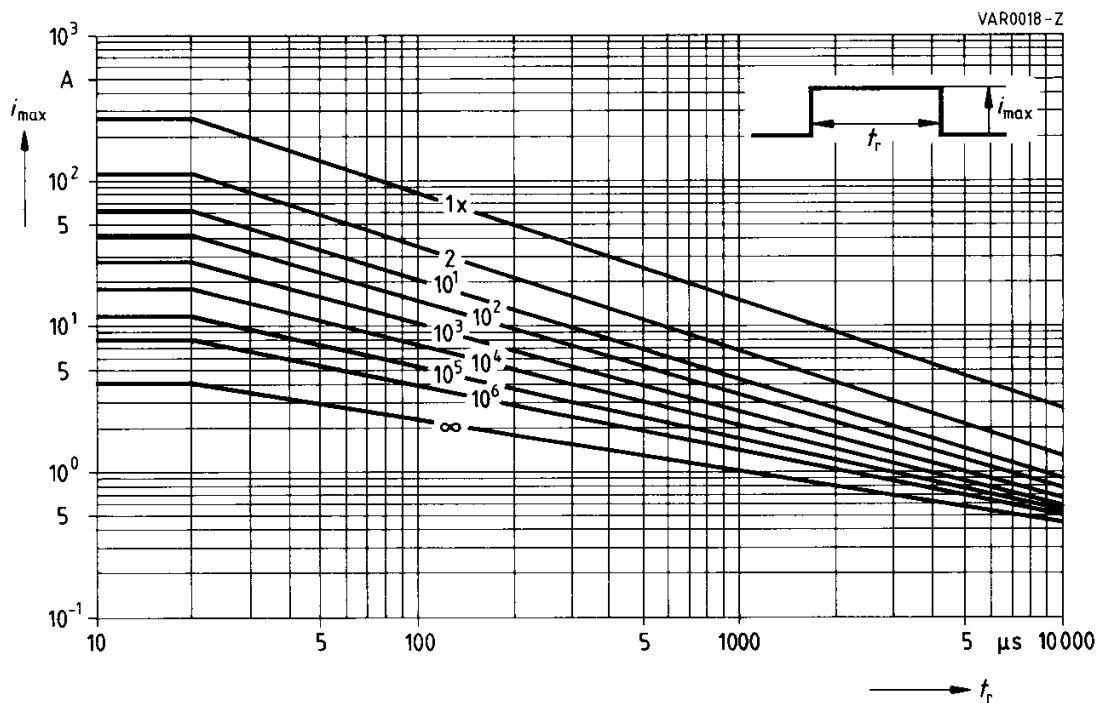
$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S05K11 ... K40

SIOV-CU3225K11G2 ... K40G2

SIOV-CU3225K14AUTOG2 ... K30AUTOG2



SIOV-S07K11 ... K40

SIOV-CU4032K11G2 ... K40G2

SIOV-S07K14AUTOS2D1

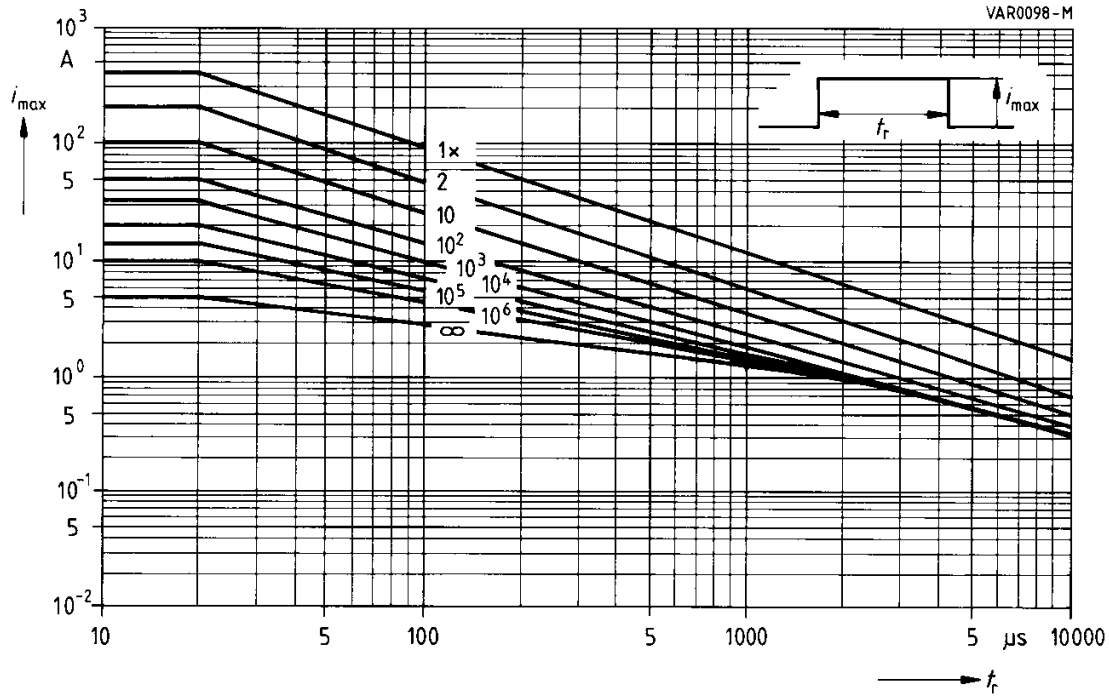
SIOV-CU4032K14AUTOG2 ... K30AUTOG2

SIOV Metal Oxide Varistors

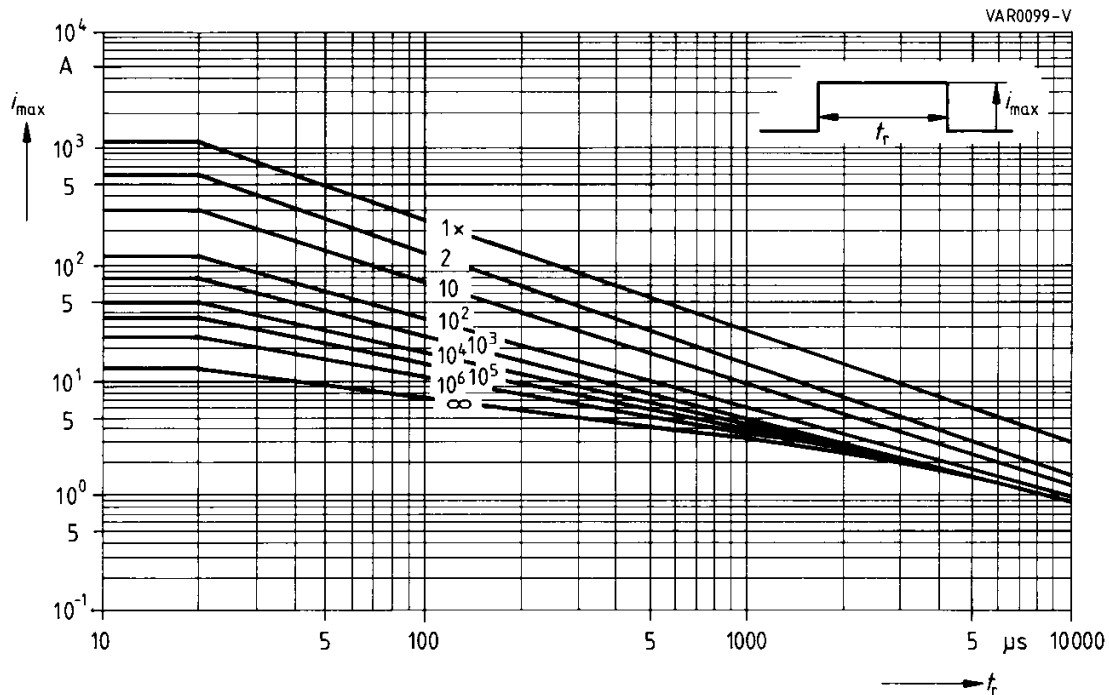
Derating Curves

Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S05K50 ... K460
SIOV-CU3225K50G2 ... K300G2



SIOV-S07K50 ... K460
SIOV-S07S60AGS2/95AGS2

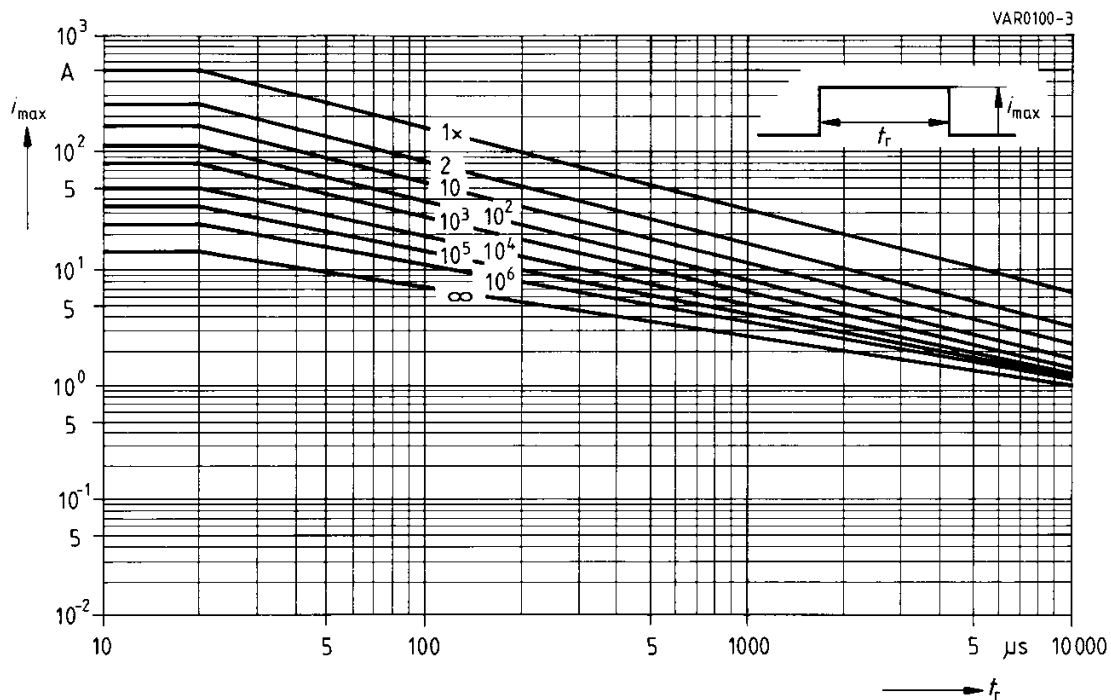
SIOV-CU4032K50G2 ... K300G2
SIOV-CU4032S60AG2/S95AG2

SIOV Metal Oxide Varistors

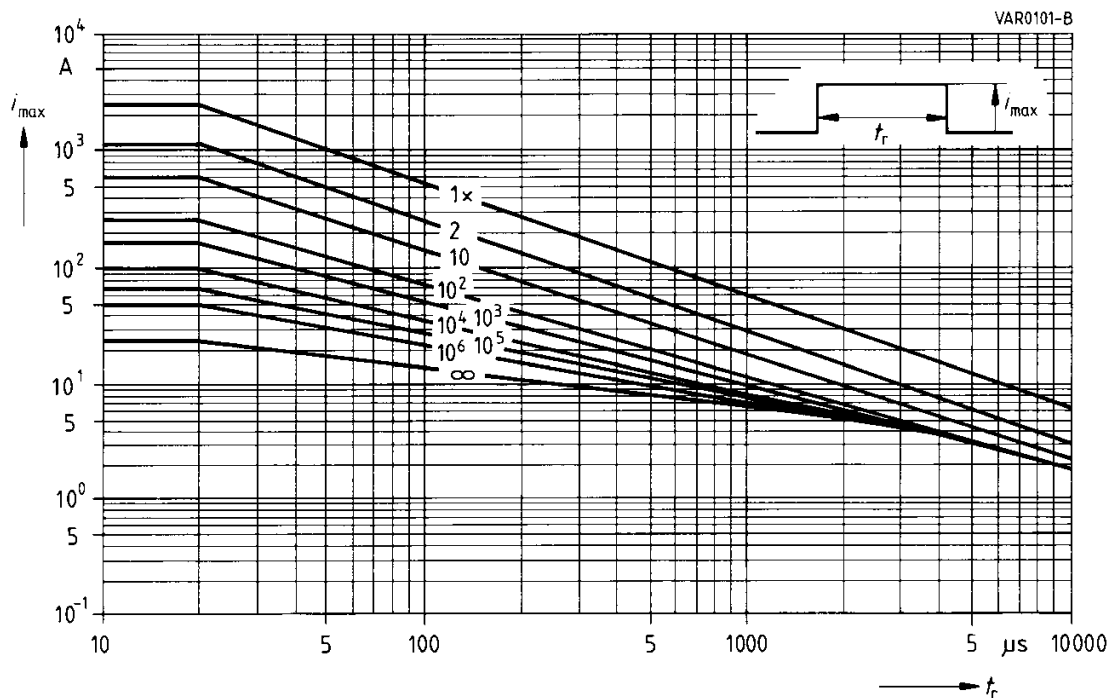
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S10K11 ... K40
 SIOV-S10K14AUTO ... K40AUTO
 SIOV-S10K14AUTOS5D1



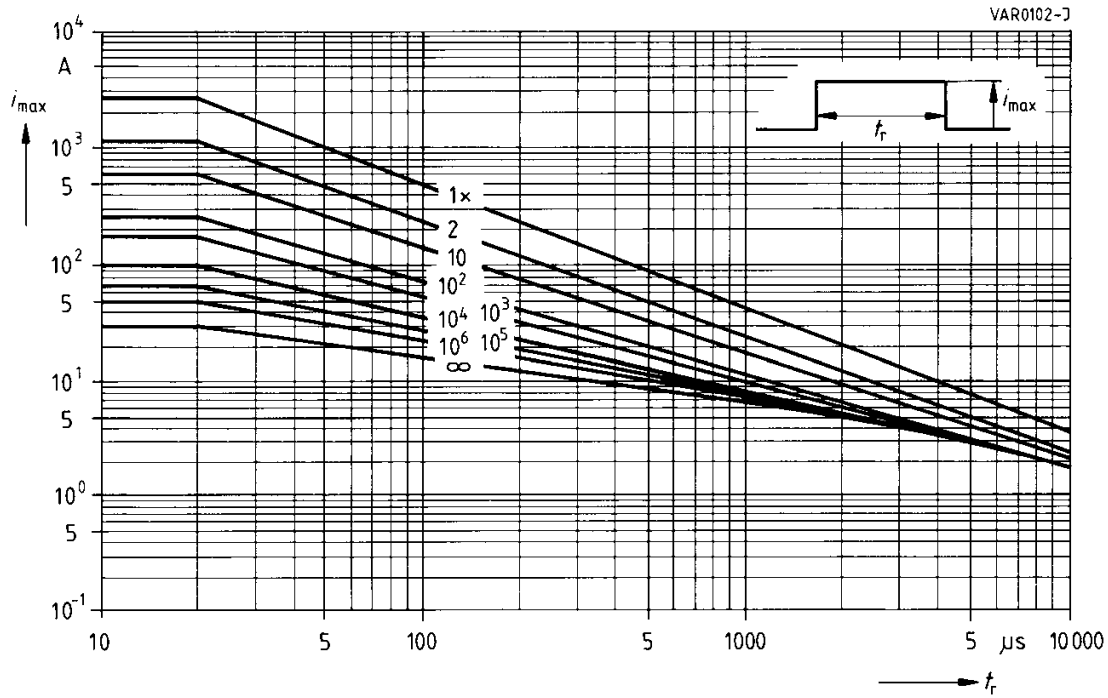
SIOV-S10K50 ... K320

SIOV Metal Oxide Varistors

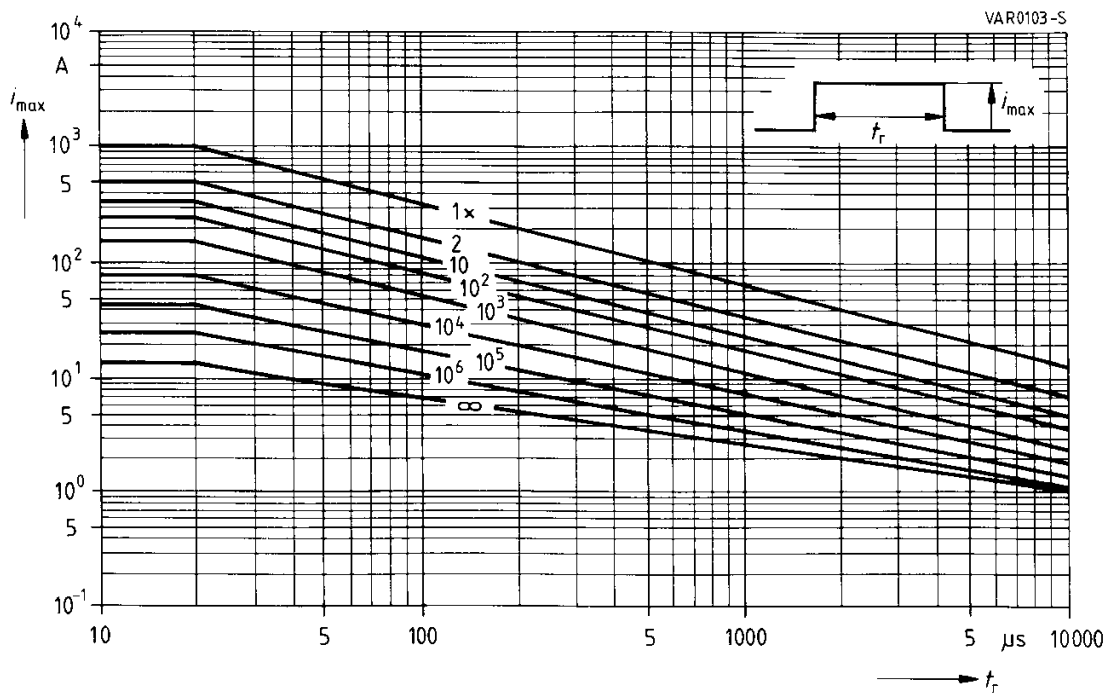
Derating Curves

Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1



SIOV-S10K385 ... K680



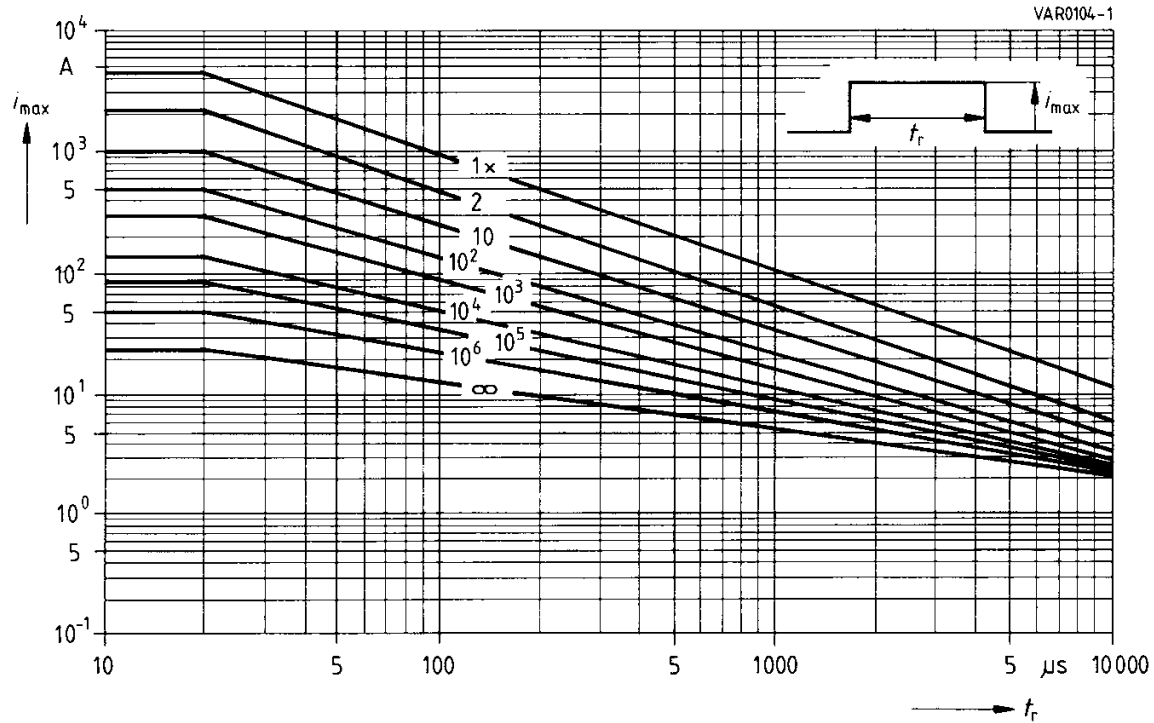
SIOV-S14K11 ... K40 SIOV-S14K14AUTO ... K40AUTO SIOV-S14K14AUTOS5D1

SIOV Metal Oxide Varistors

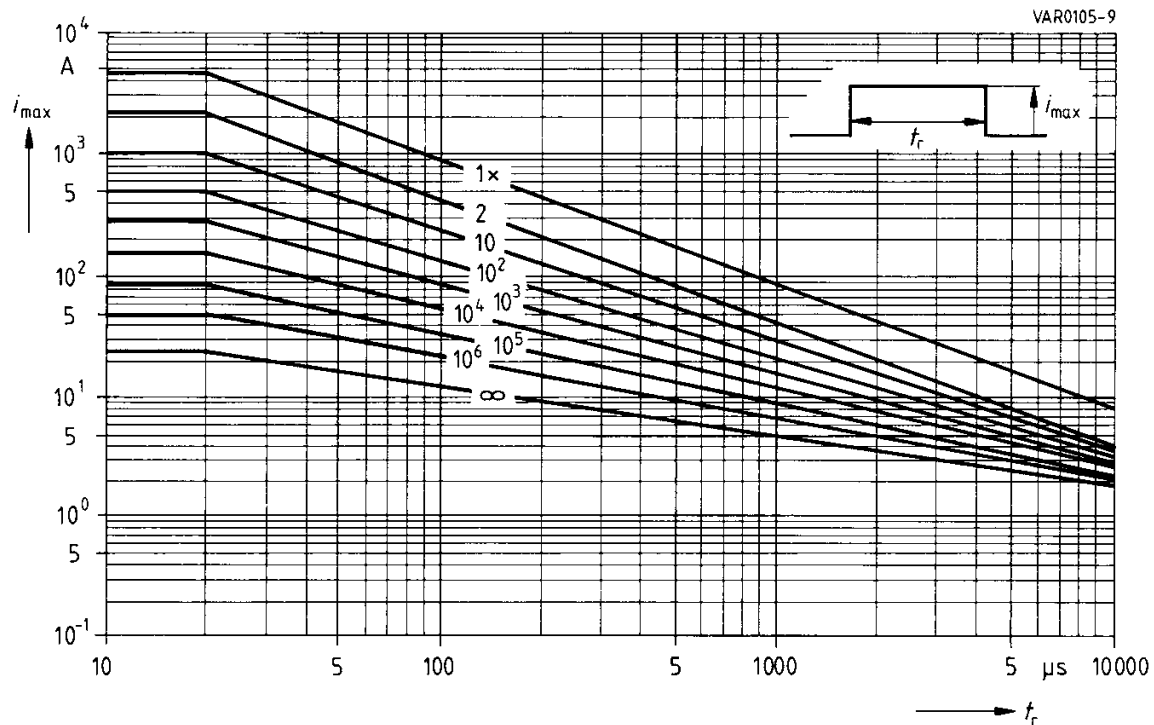
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S14K50 ... K320



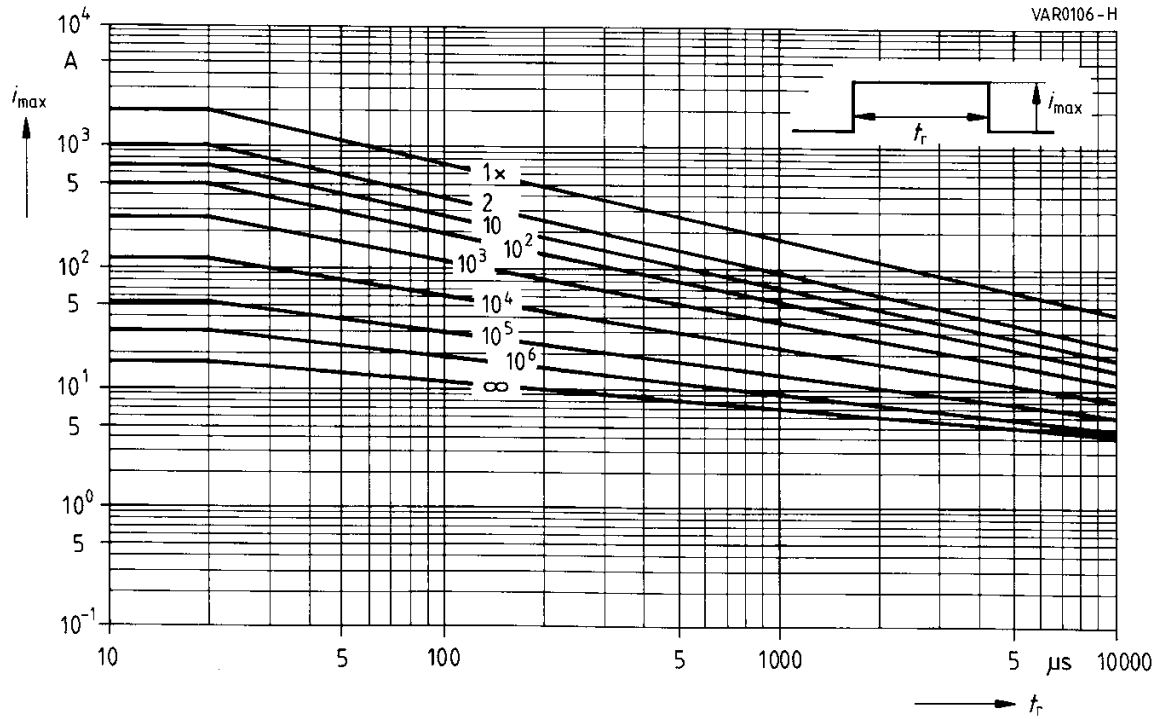
SIOV-S14K385 ... K1000

SIOV Metal Oxide Varistors

Derating Curves

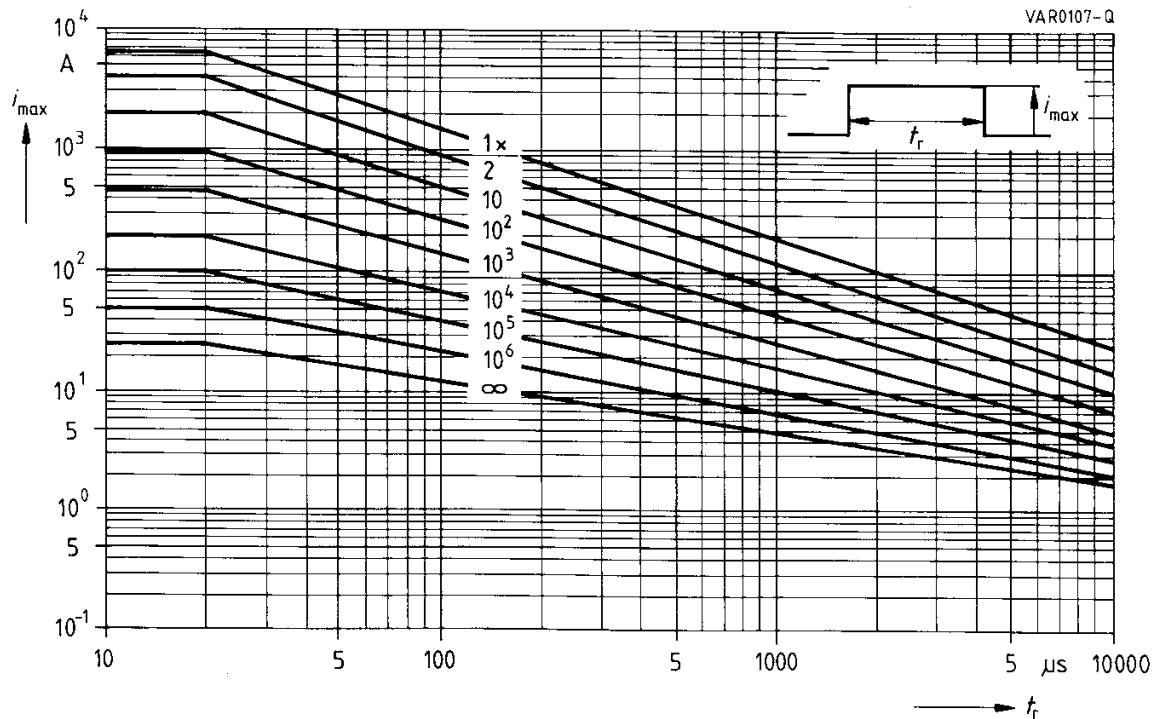
Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S20K11 ... K40

SIOV-S20K14AUTO ... K30AUTO



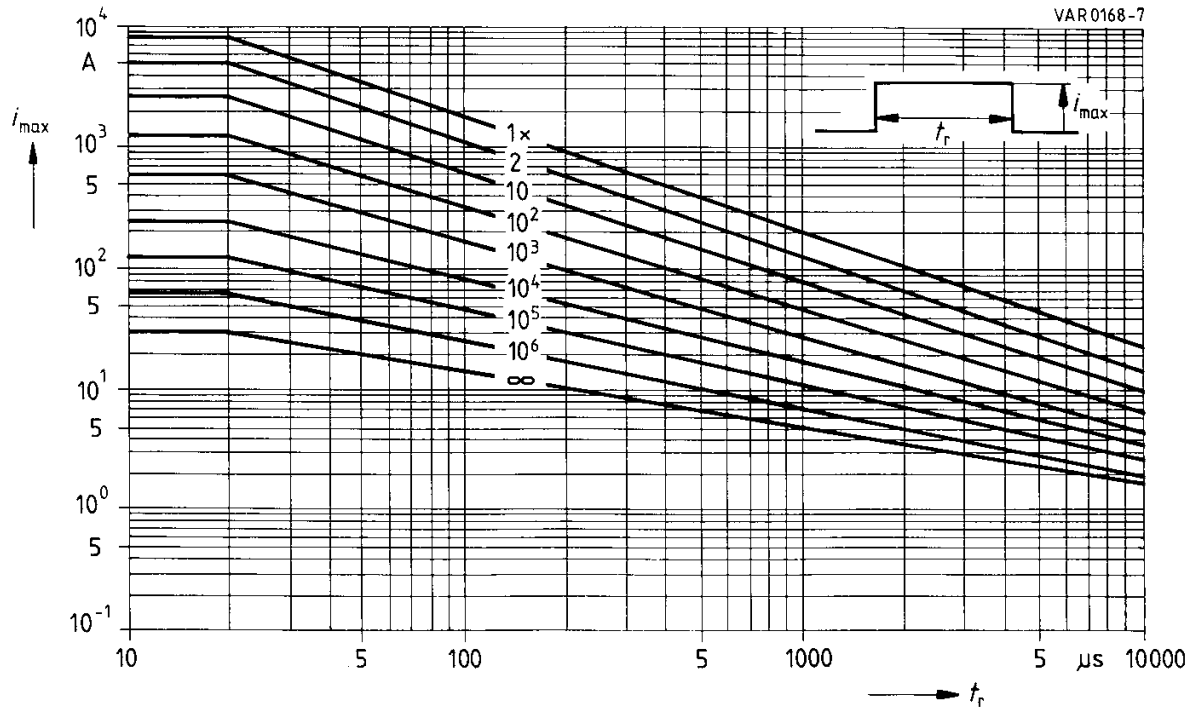
SIOV-S20K50 ... K115

SIOV Metal Oxide Varistors

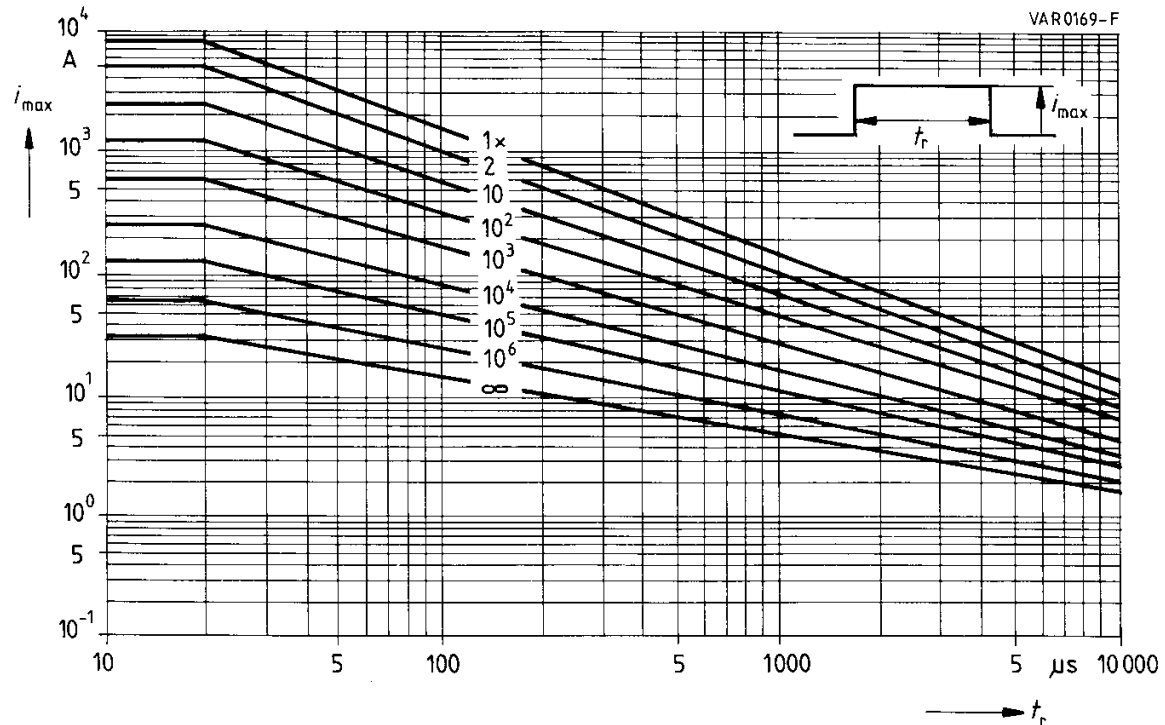
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S20K130 ... K320



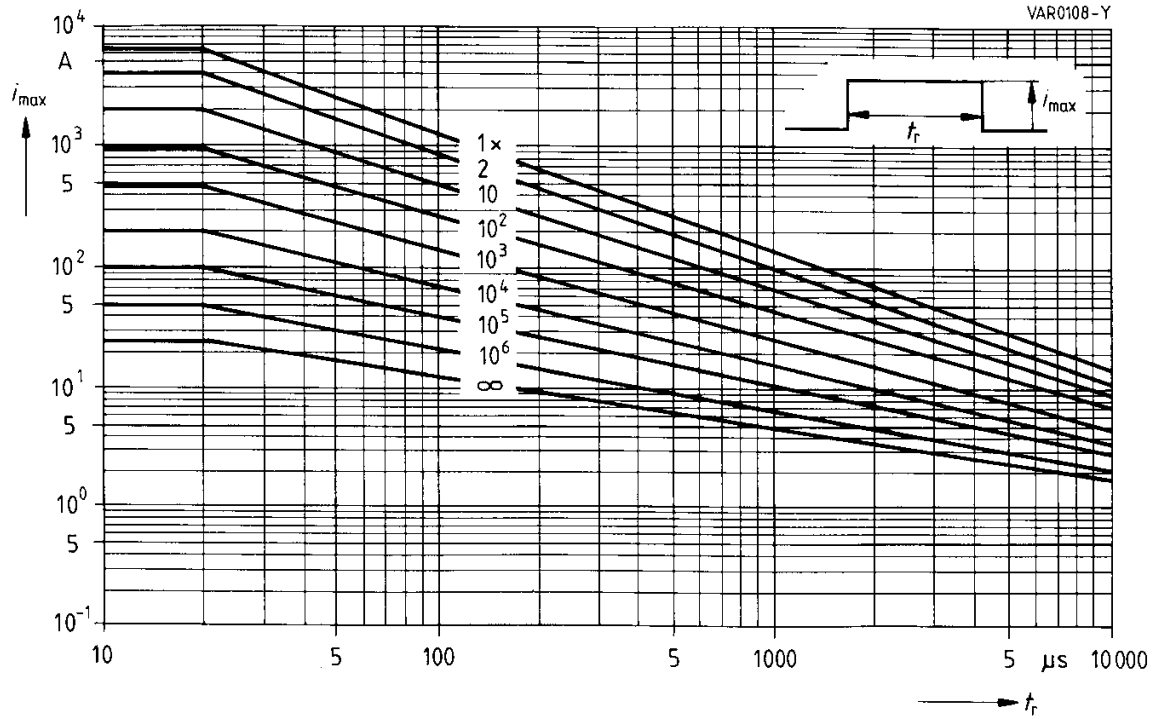
SIOV-S20K385 ... K460

SIOV Metal Oxide Varistors

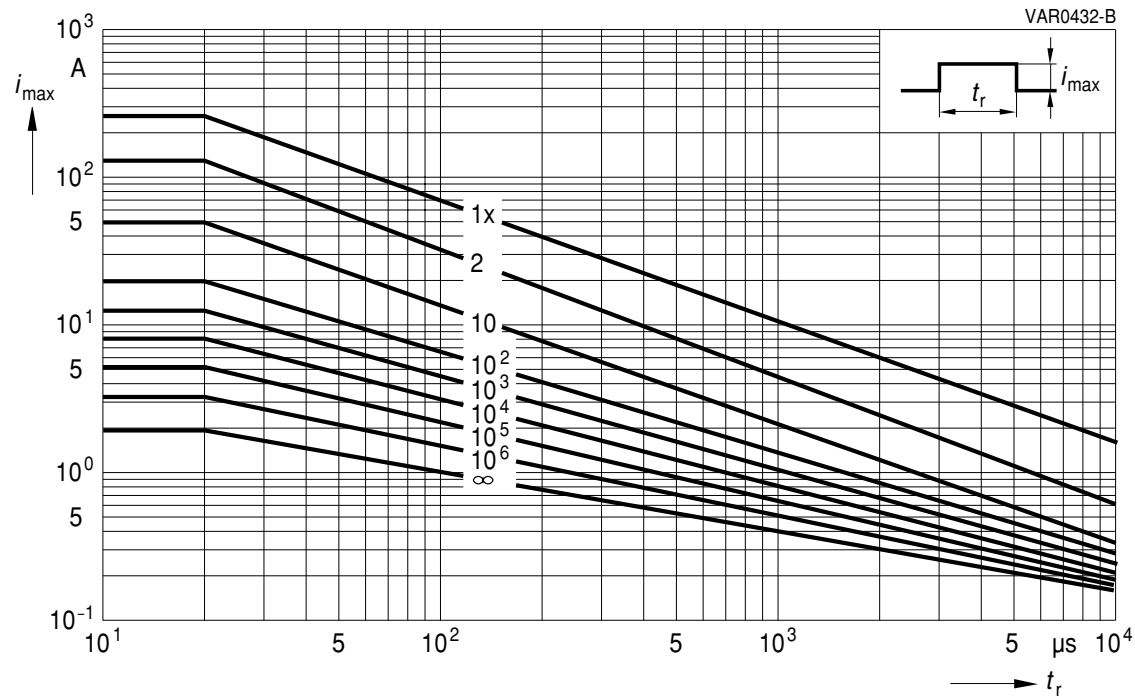
Derating Curves

Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S20K510 ... K1000



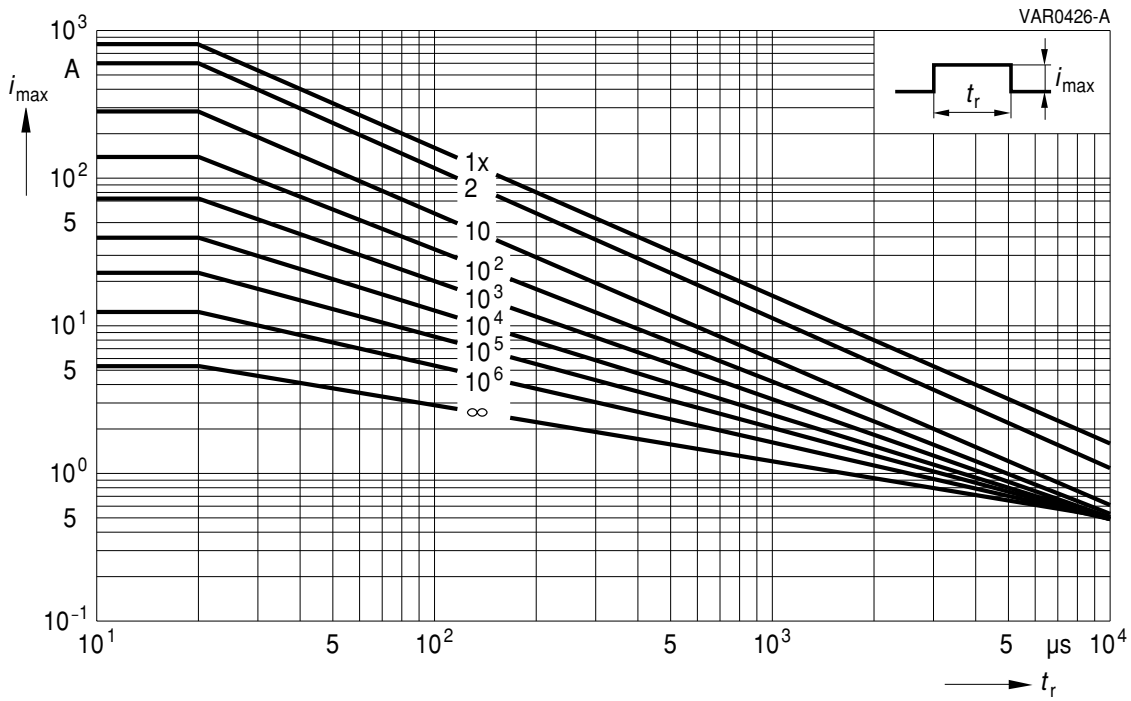
SIOV-S05K11 ... K40E2

SIOV Metal Oxide Varistors

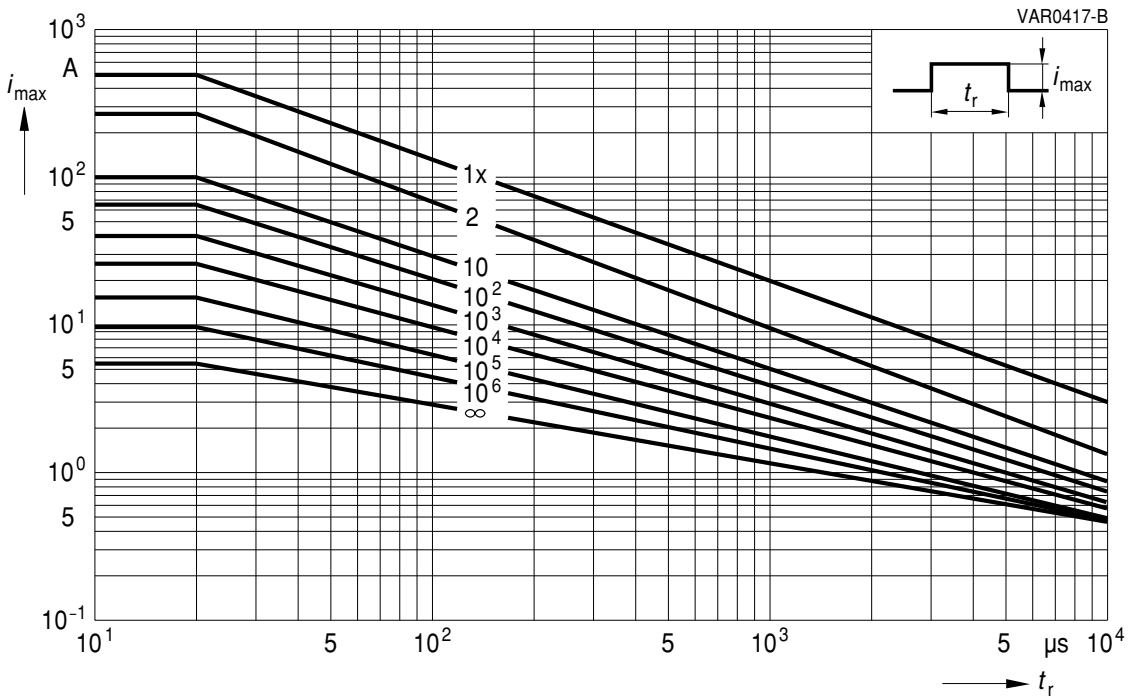
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S05K50 ... K300E2



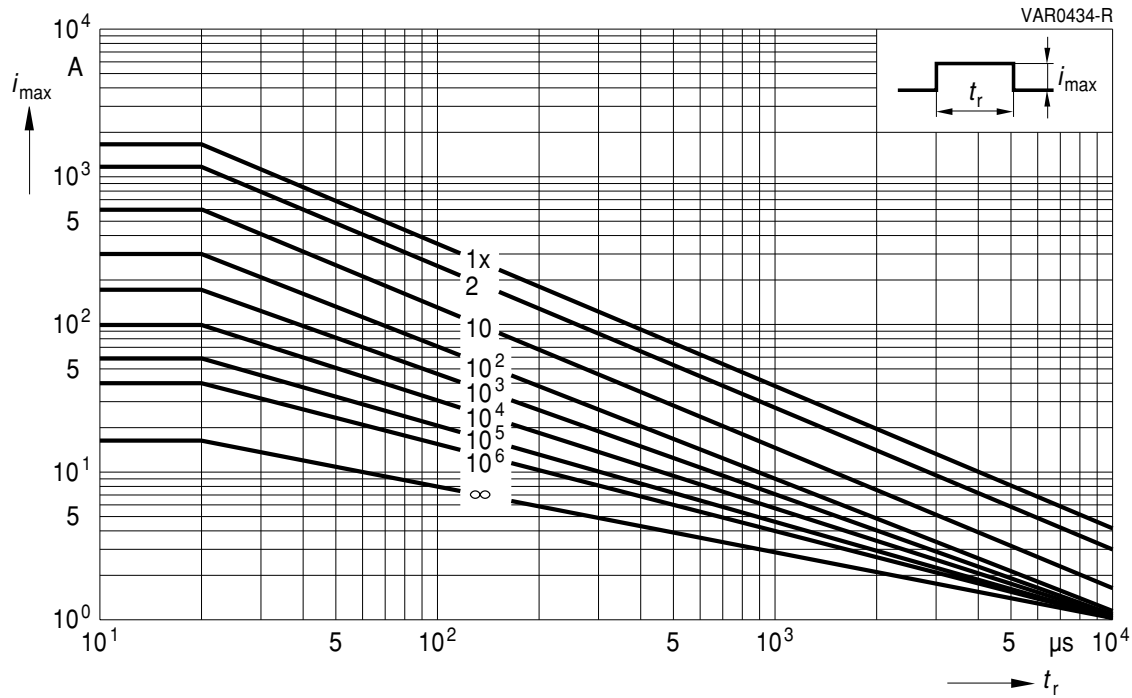
SIOV-S07K11 ... K40E2

SIOV Metal Oxide Varistors

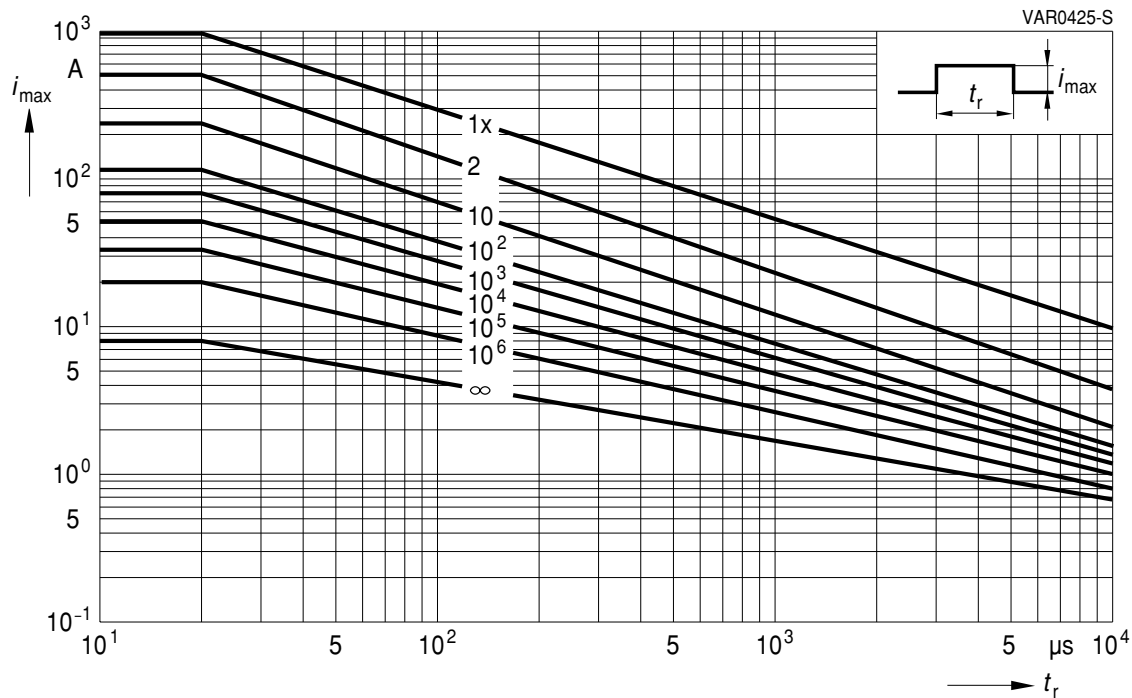
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S07K50 ... K320E2



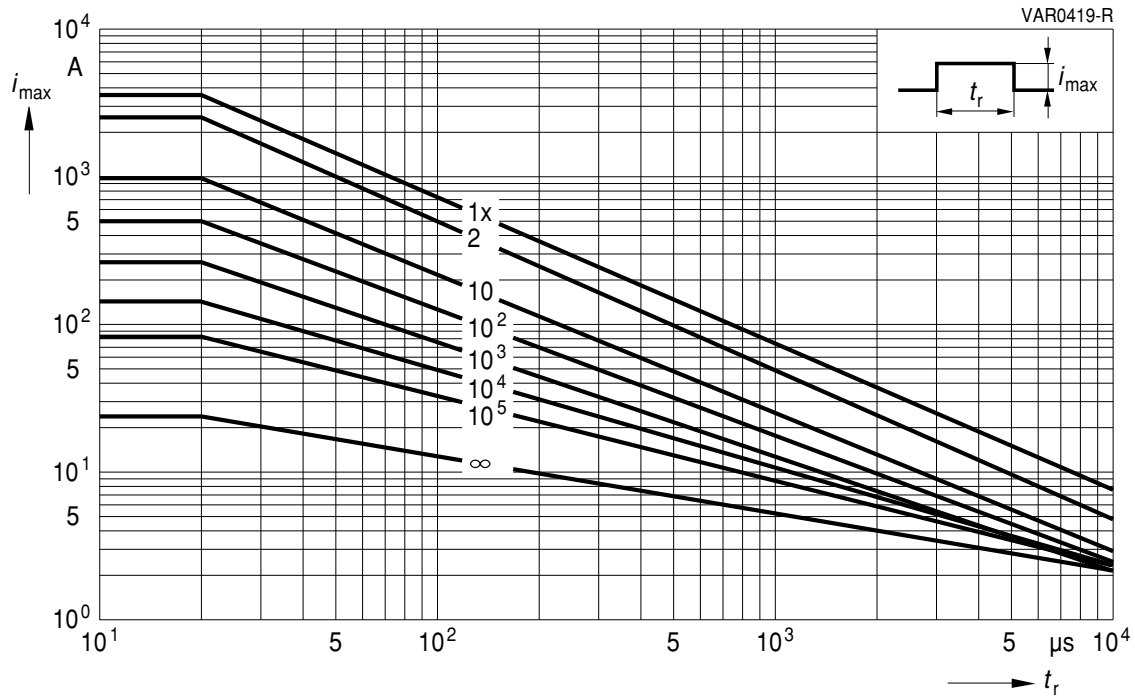
SIOV-S10K11 ... K40E2

SIOV Metal Oxide Varistors

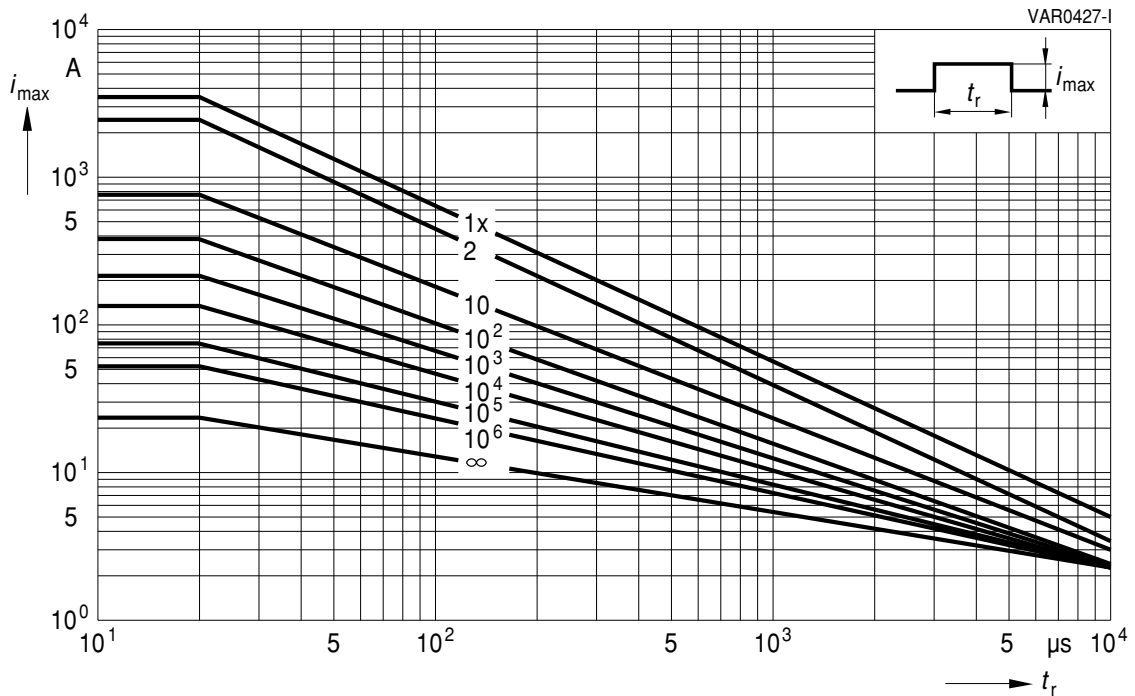
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S10K50 ... K320E2



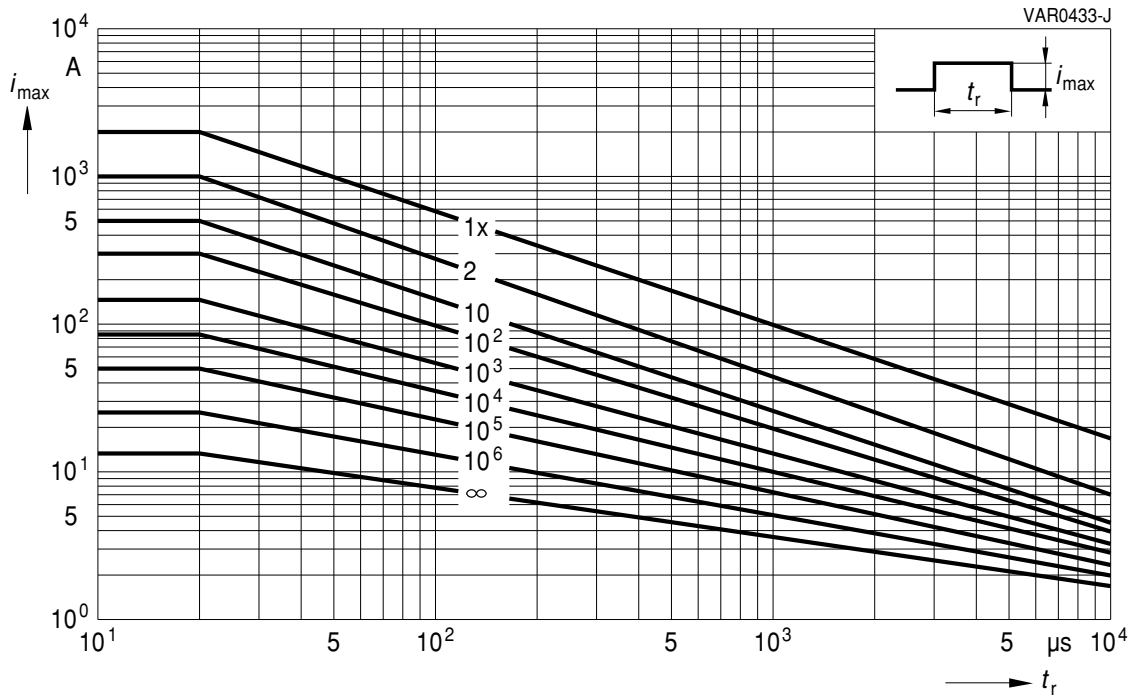
SIOV-S10K385 ... K680E2

SIOV Metal Oxide Varistors

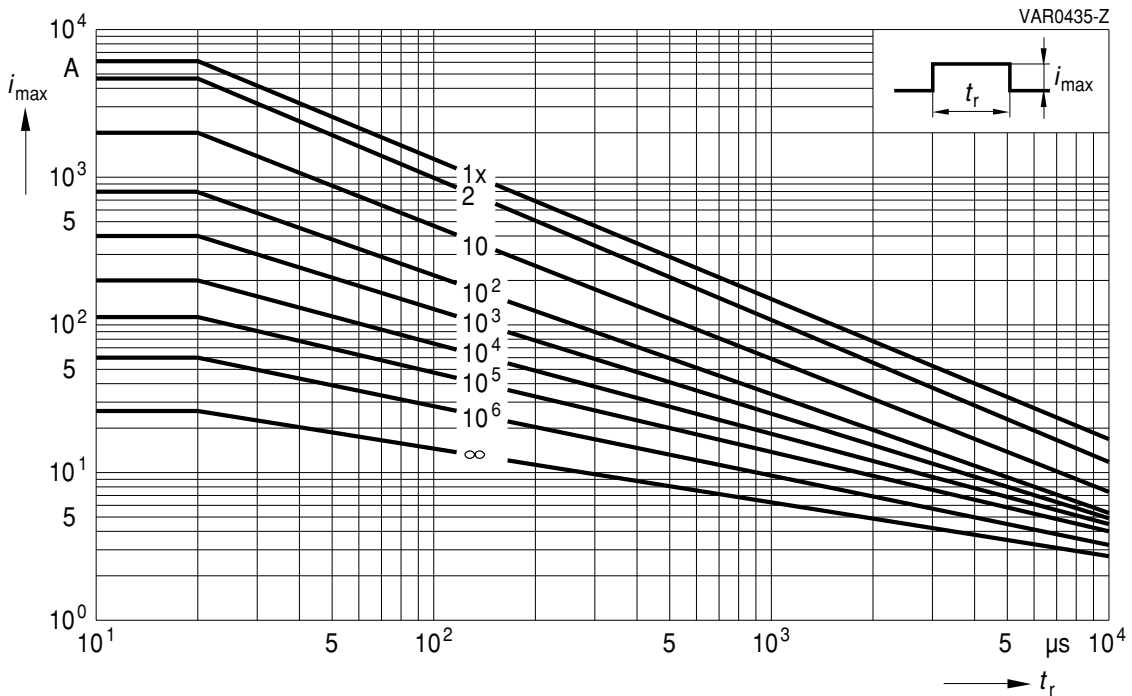
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S14K11 ... K40E2



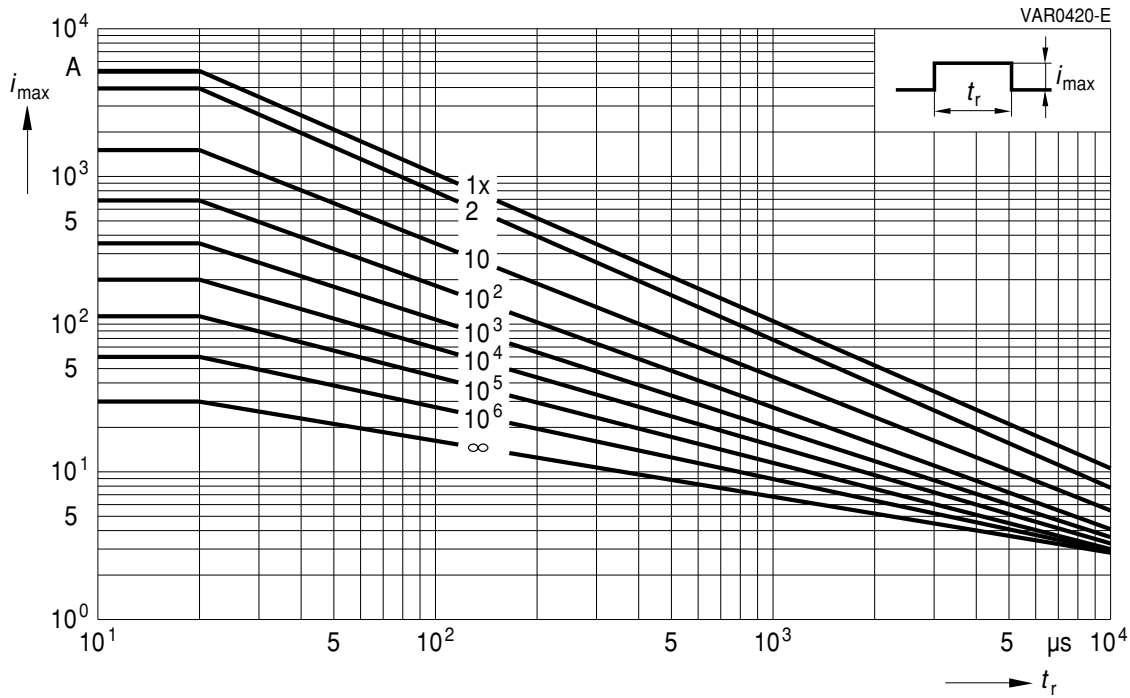
SIOV-S14K50 ... K320E2

SIOV Metal Oxide Varistors

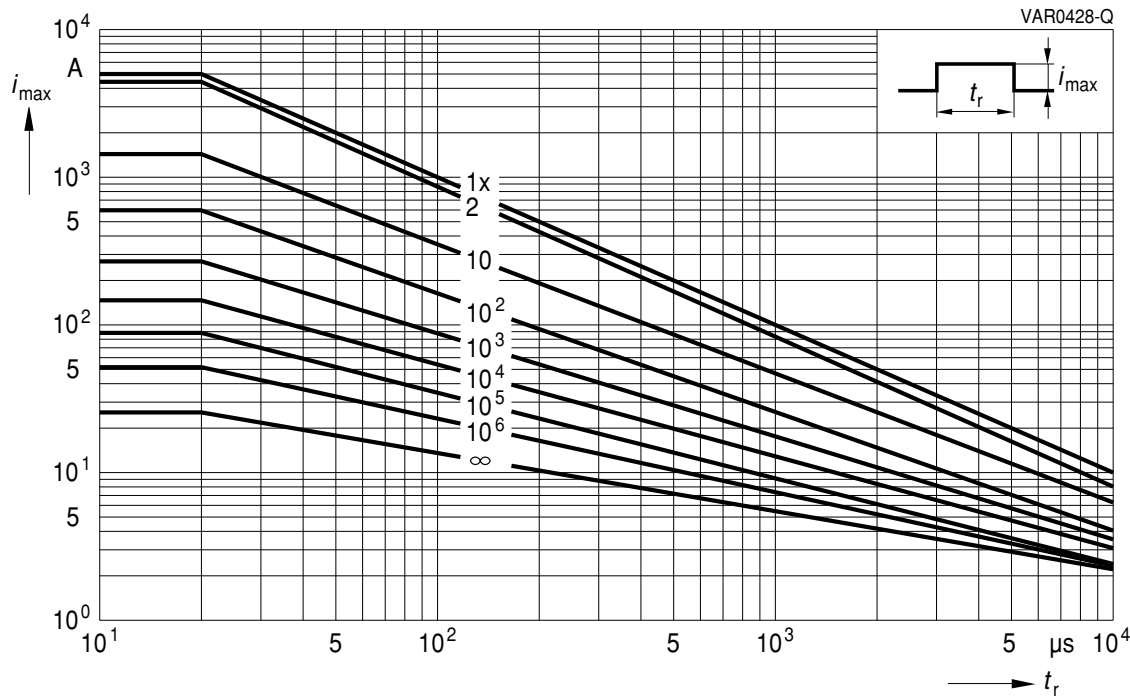
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S14K385 ... K680E2



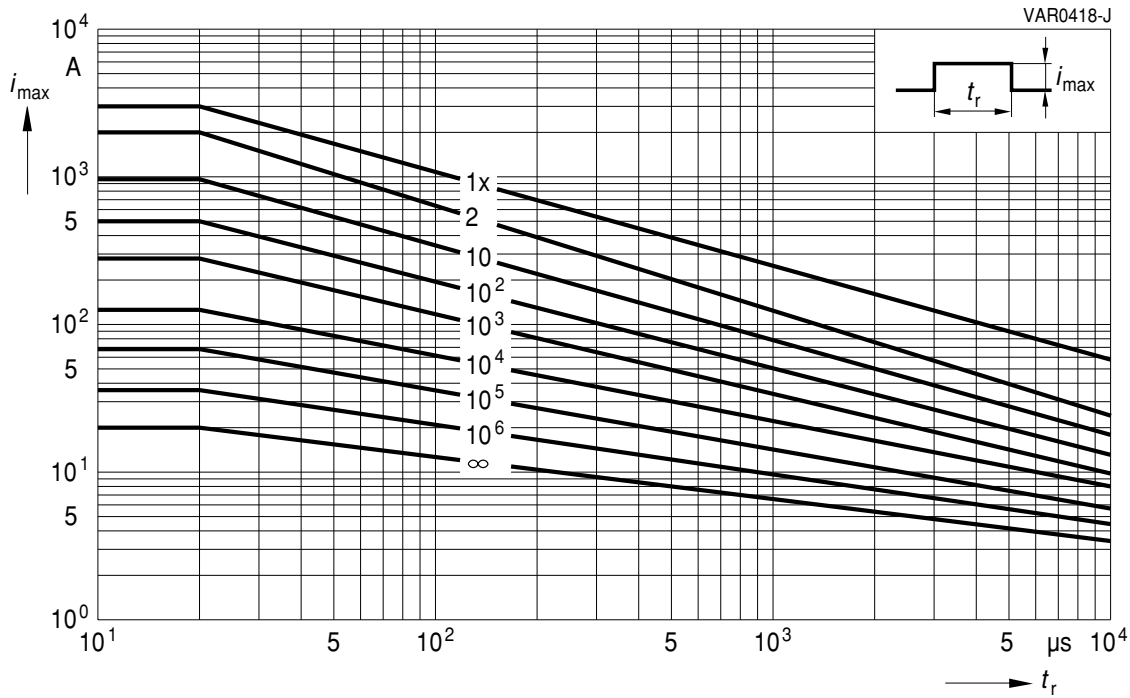
SIOV-S14K1000E2

SIOV Metal Oxide Varistors

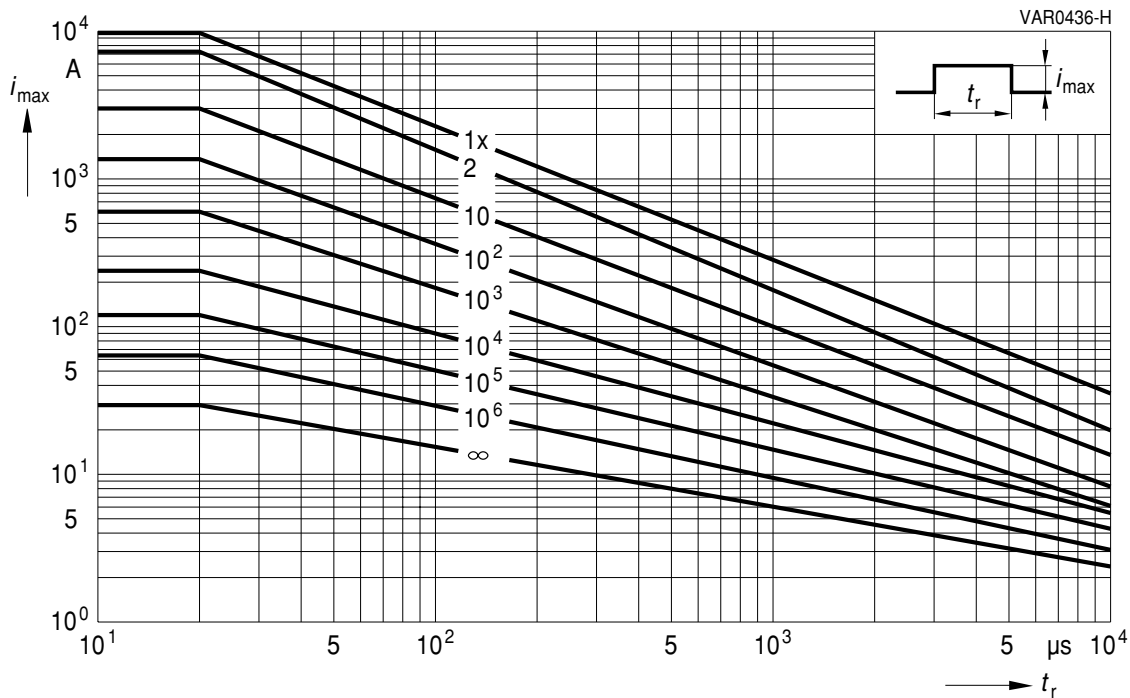
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S20K11 ... K40E2



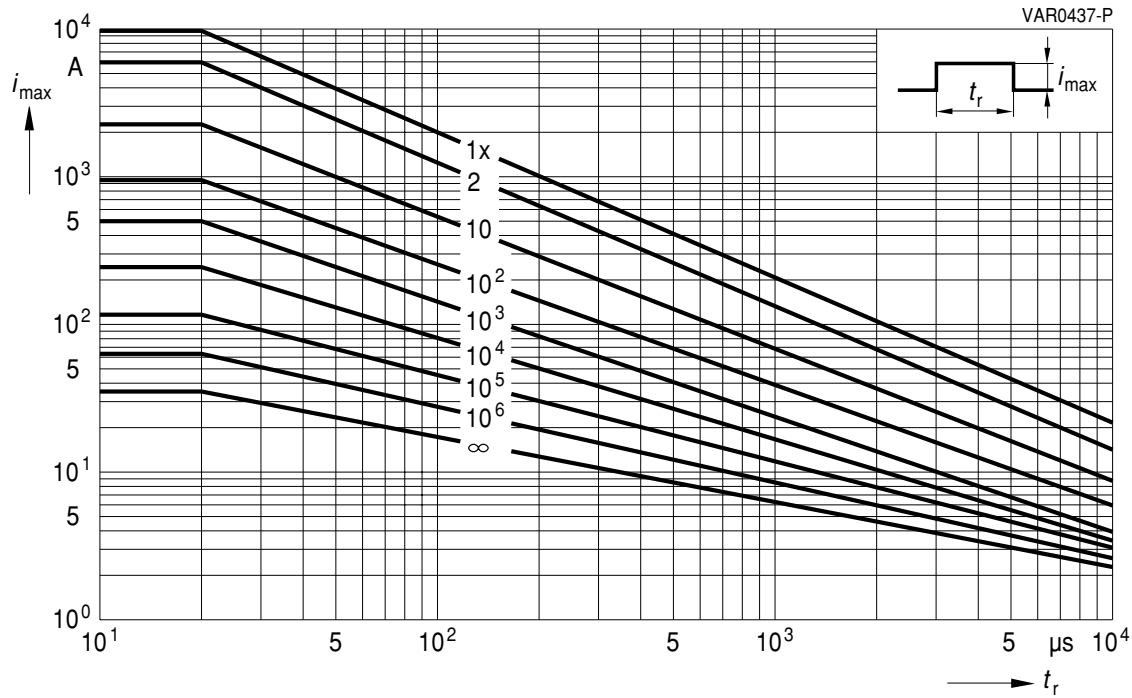
SIOV-S20K50 ... K320E2

SIOV Metal Oxide Varistors

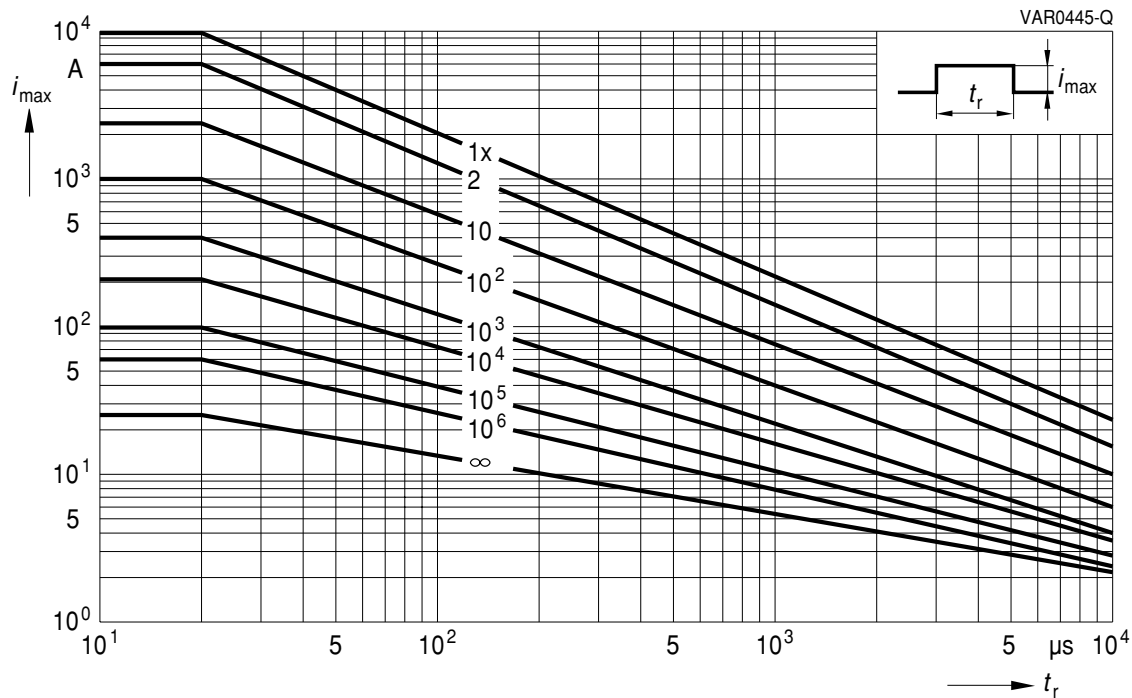
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-S20K385 ... K680E2



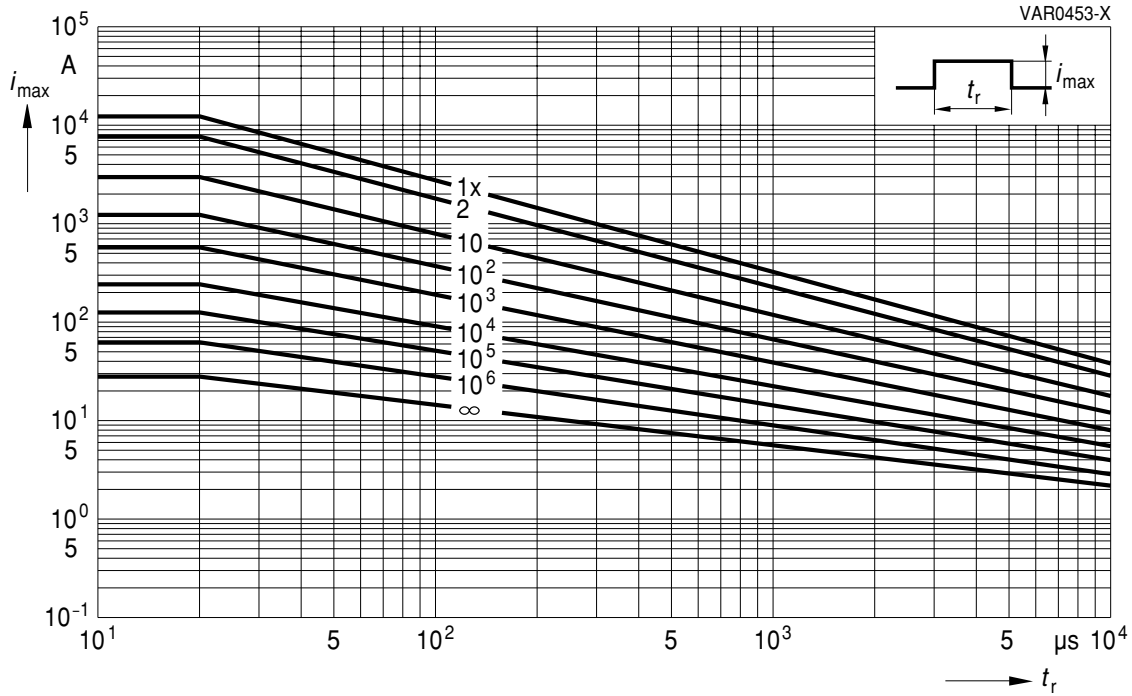
SIOV-S20K1000E2

SIOV Metal Oxide Varistors

Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



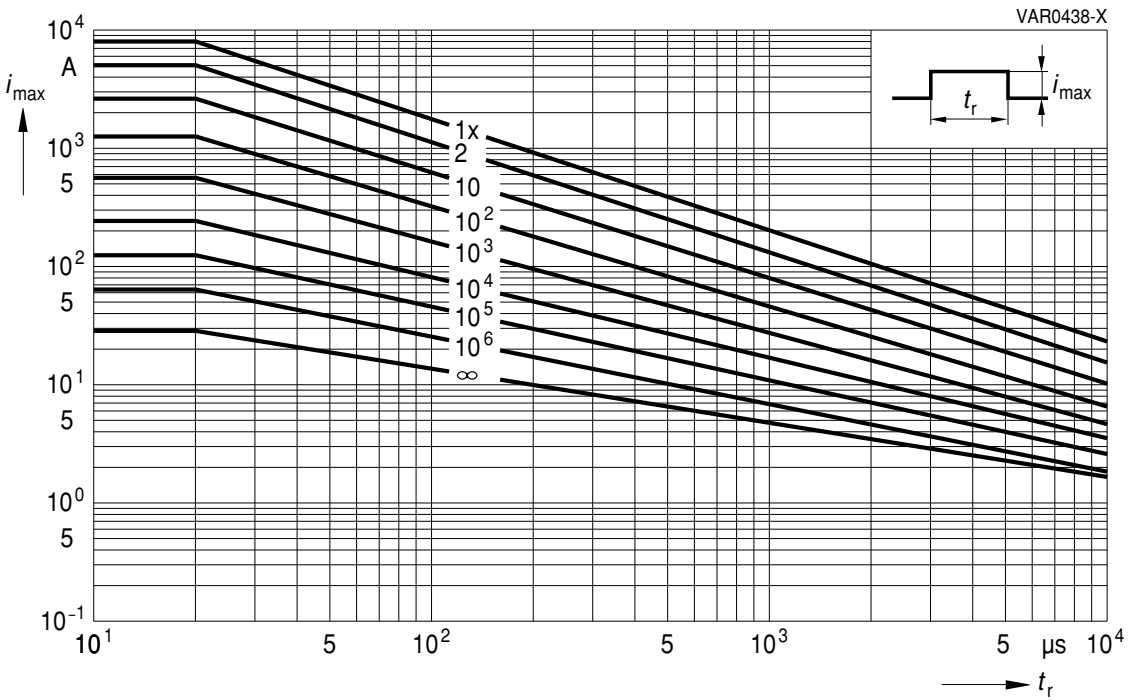
SIOV-S20K115 ... K320E3

SIOV Metal Oxide Varistors

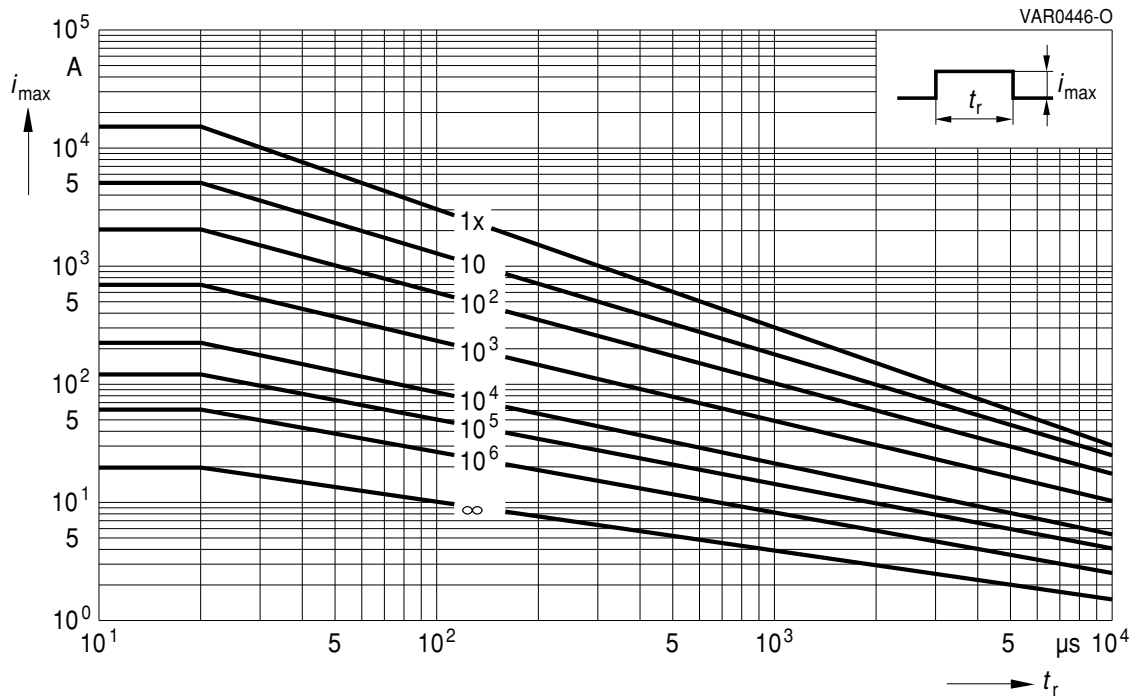
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-Q14K130 ... K320



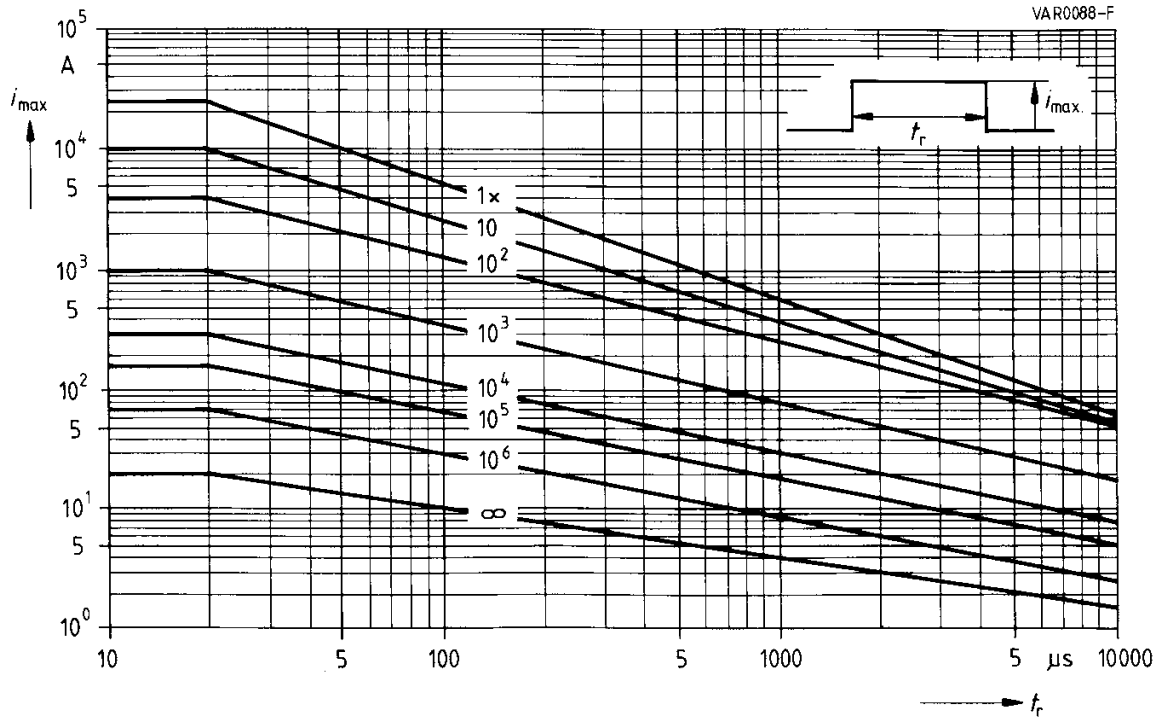
SIOV-Q20K130 ... K320

SIOV Metal Oxide Varistors

Derating Curves

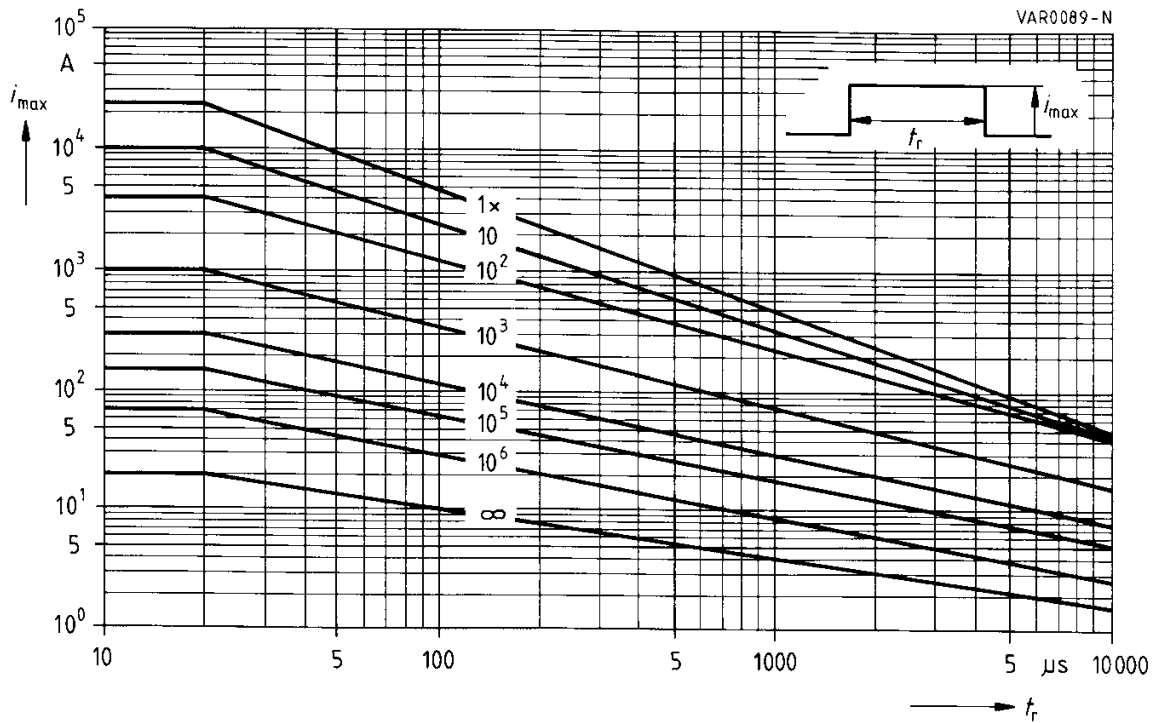
Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-B32K130 ... K150

SIOV-B40K75



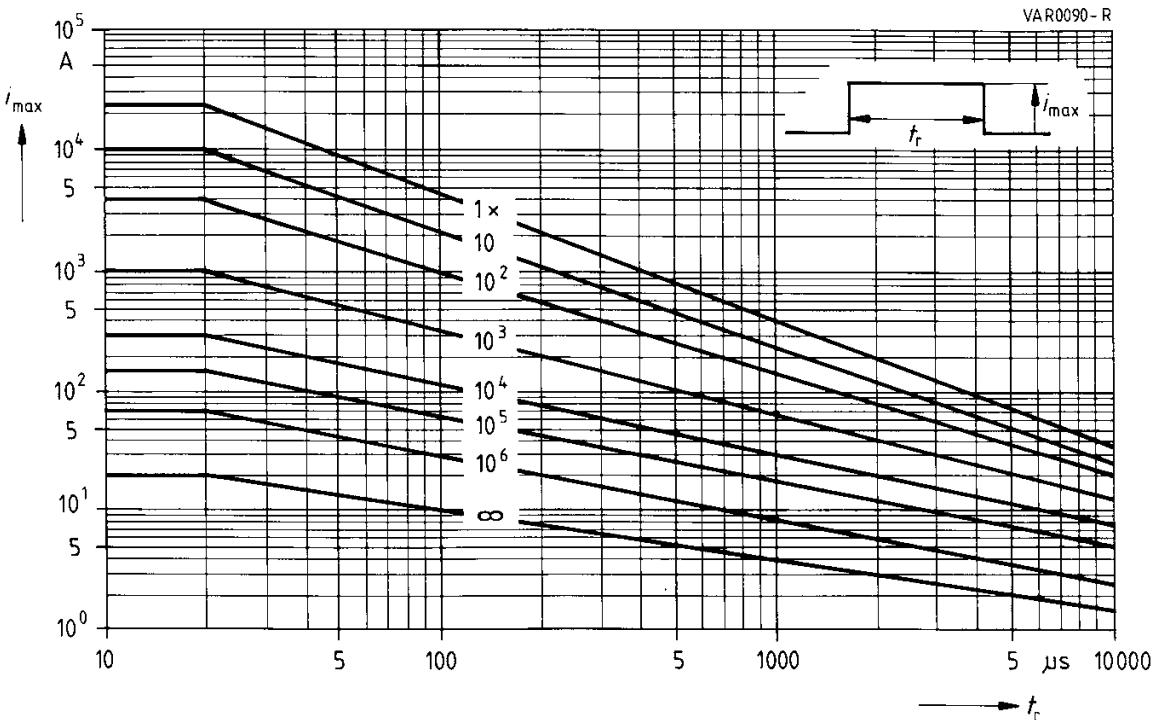
SIOV-B32K230 ... K460

SIOV Metal Oxide Varistors

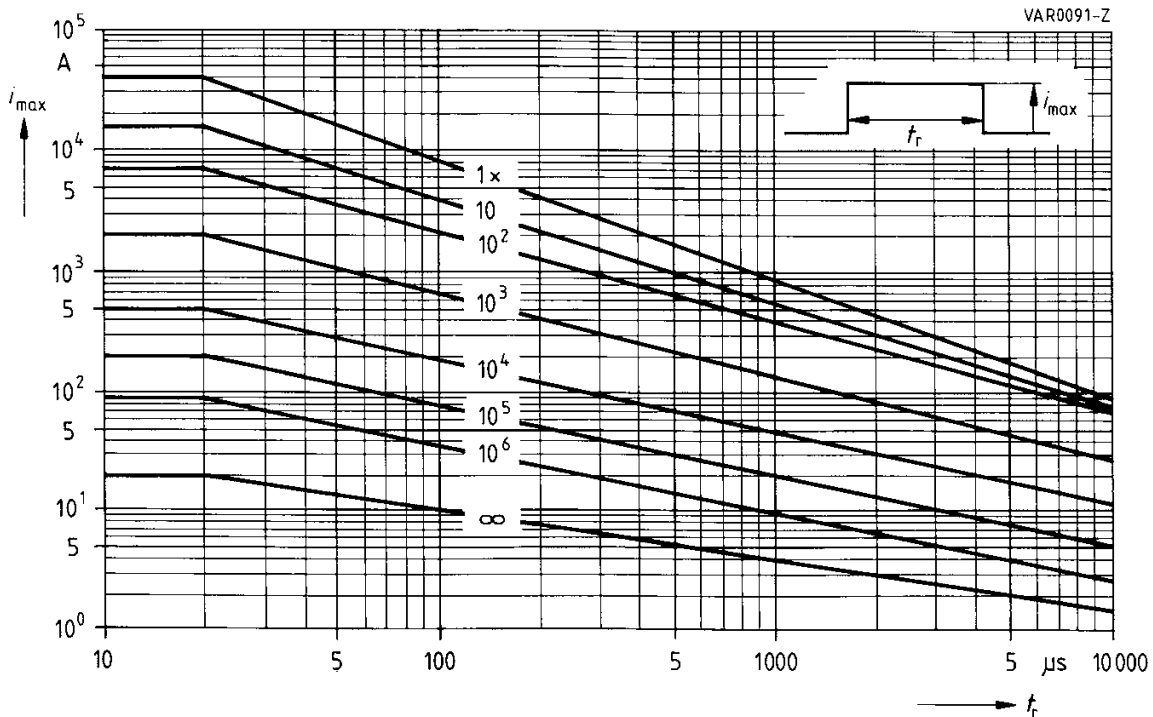
Derating Curves

Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-B32K550 ... K750



SIOV-B40K130 ... K150

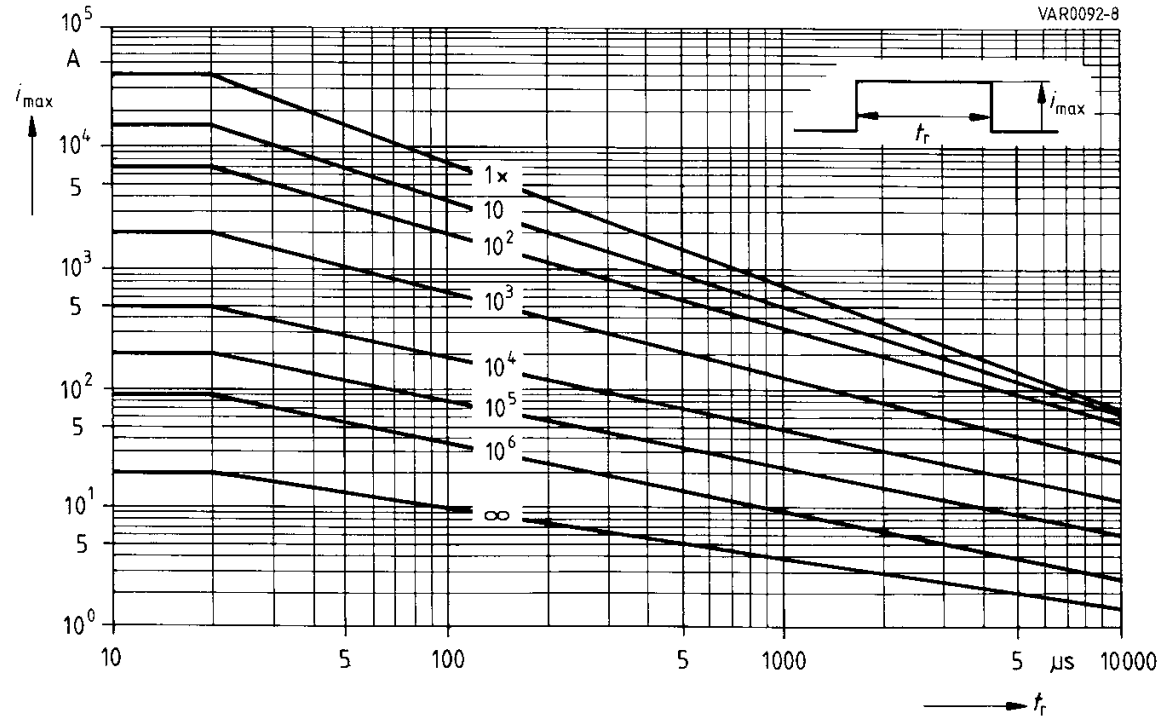
SIOV-LS40K130QP ... K150QP(K2)

SIOV Metal Oxide Varistors

Derating Curves

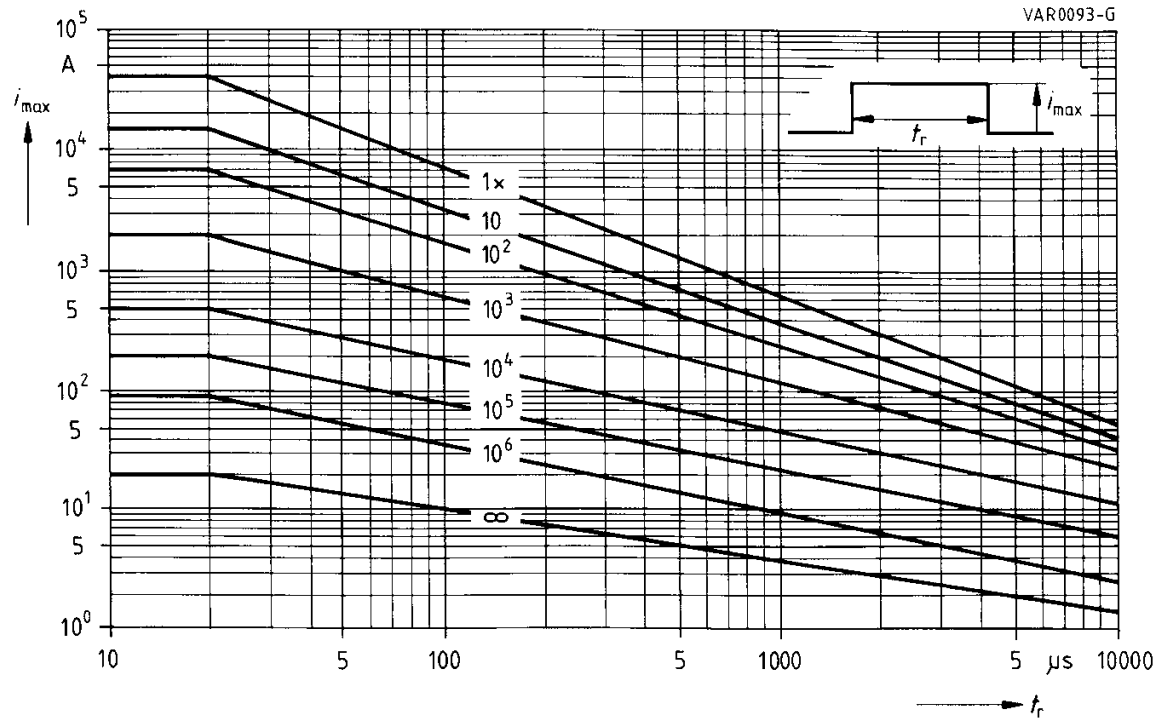
Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1



SIOV-B40K230 ... K460

SIOV-LS40K230QP ... K460QP(K2)



SIOV-B40K550 ... K750

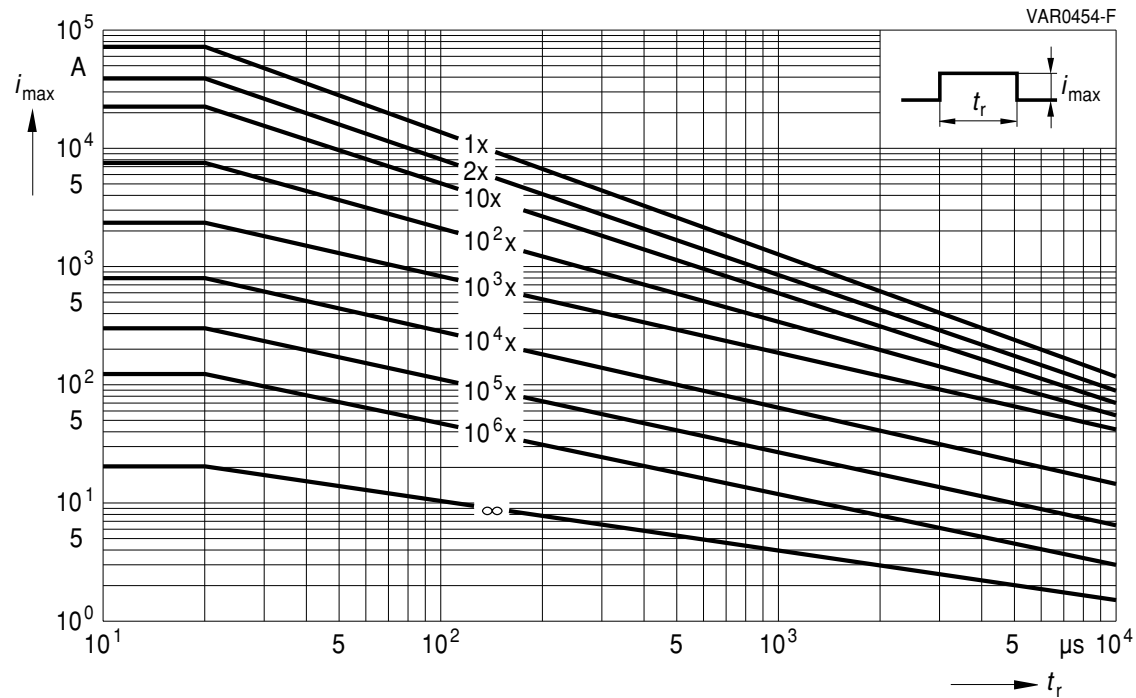
SIOV-LS40K550QP ... K750QP(K2)

SIOV Metal Oxide Varistors

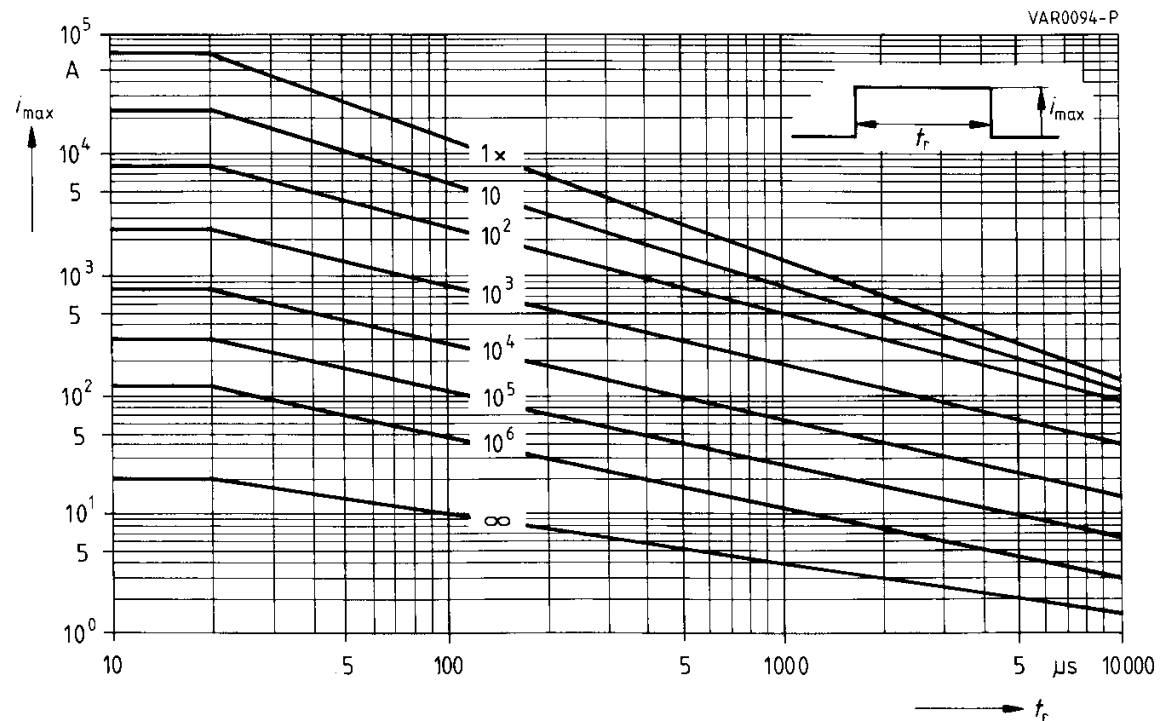
Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-LS50K130 ... K550P(K2)



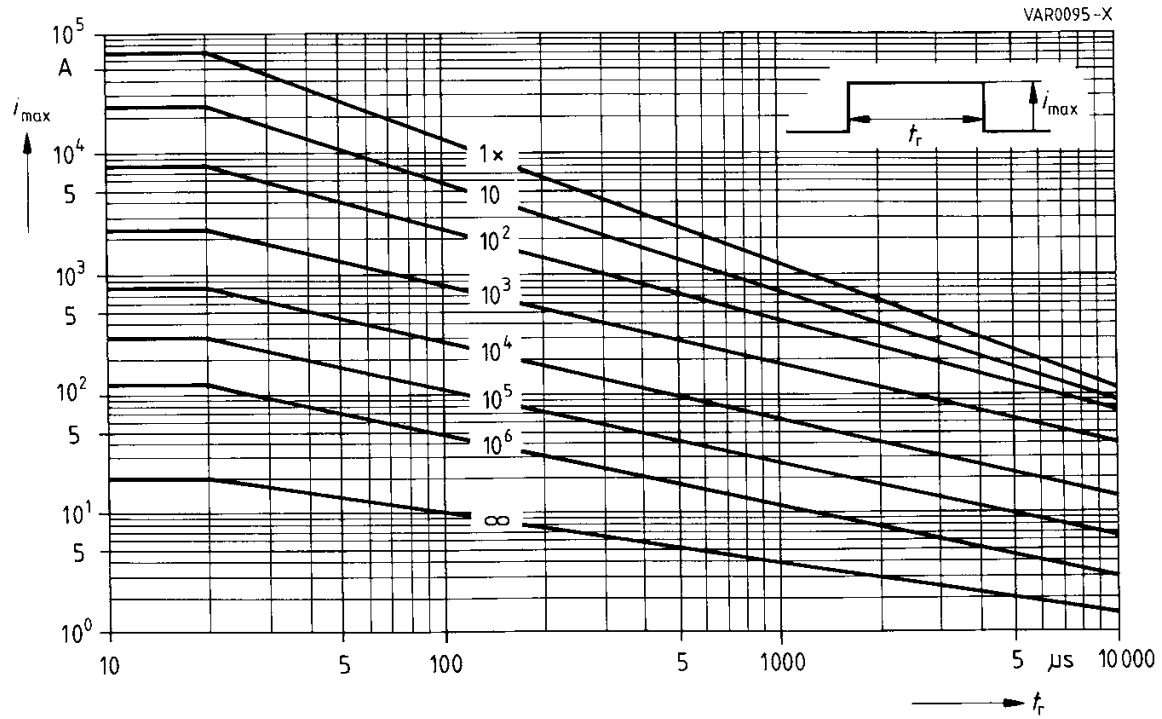
SIOV-B60K130 ... K150

SIOV Metal Oxide Varistors

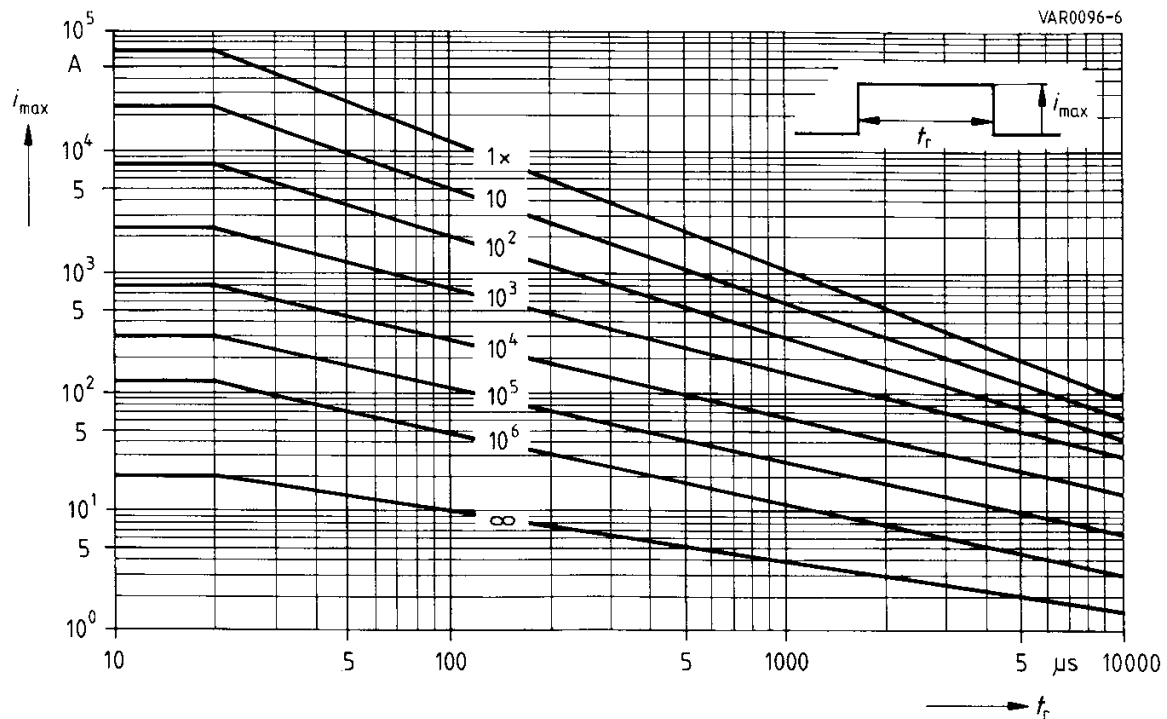
Derating Curves

Maximum surge current

$i_{max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-B60K230 ... K460



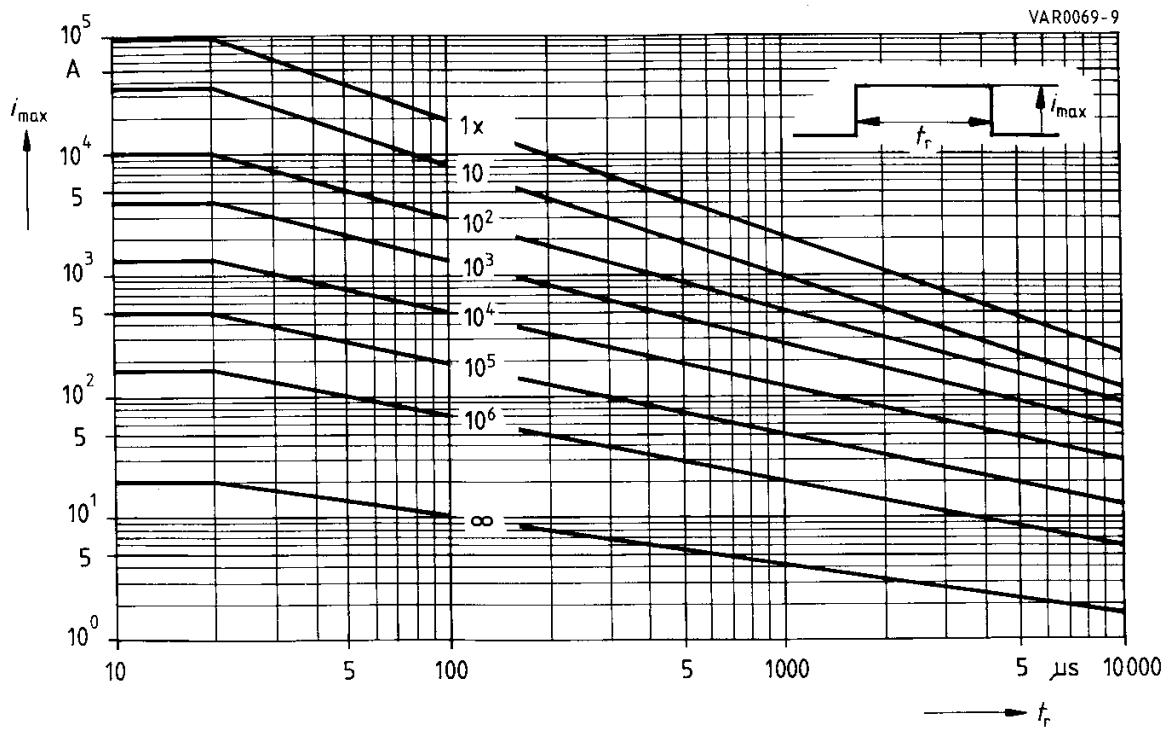
SIOV-B60K550 ... K1000

SIOV Metal Oxide Varistors

Derating Curves

Maximum surge current

$i_{\max} = f(t_r, \text{pulse train})$ – for explanation of the derating curves refer to section 1.8.1)



SIOV-B80K130 ... K1100

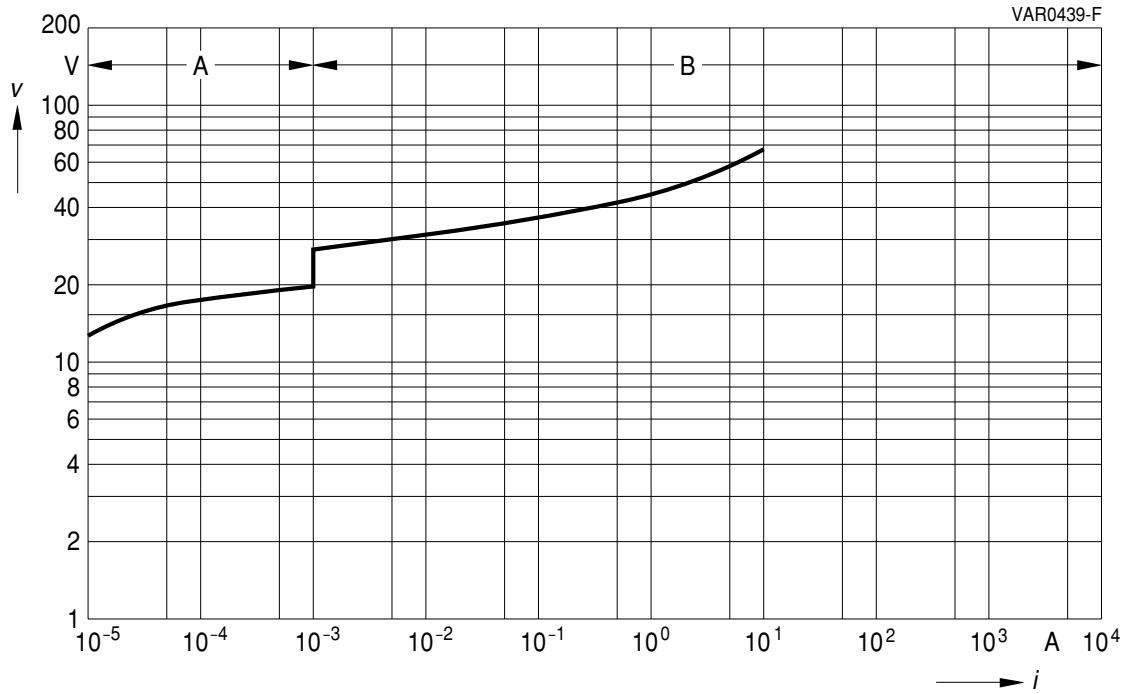
SIOV Metal Oxide Varistors

V/I Characteristics

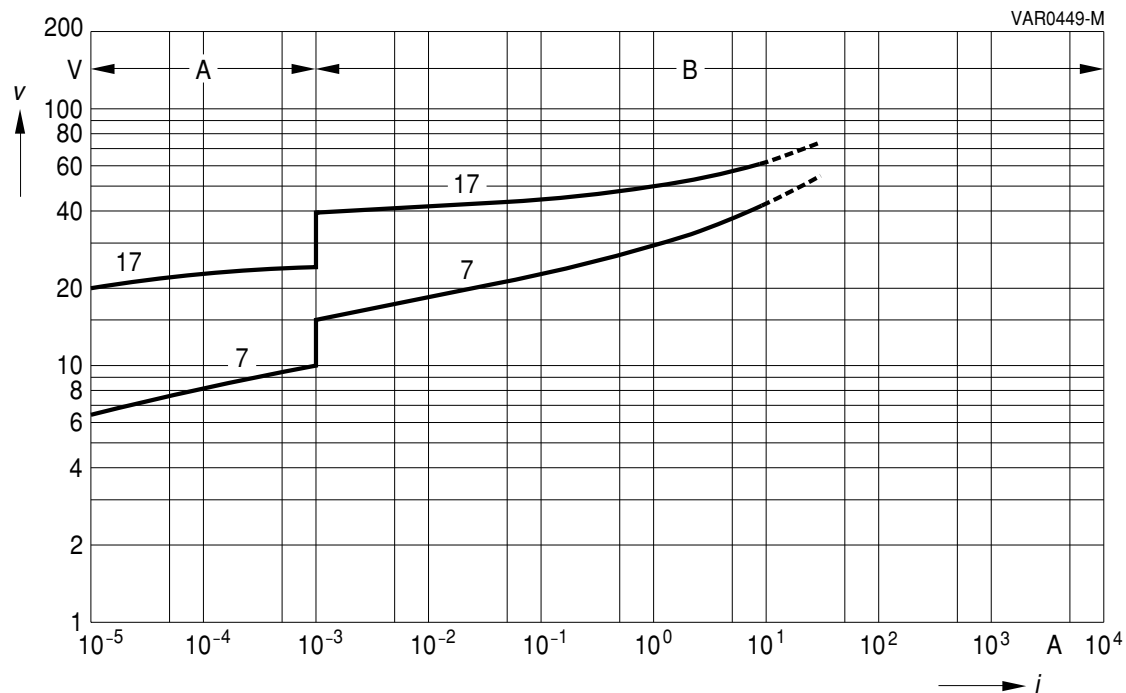
$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-CT/CN0402L14G(K2)



SIOV-CA06P4M7GK2
SIOV-CA06P4S17ALCGK2

SIOV-CA05P4S17ALCGK2
SIOV-CA04P2S17ALCGK2

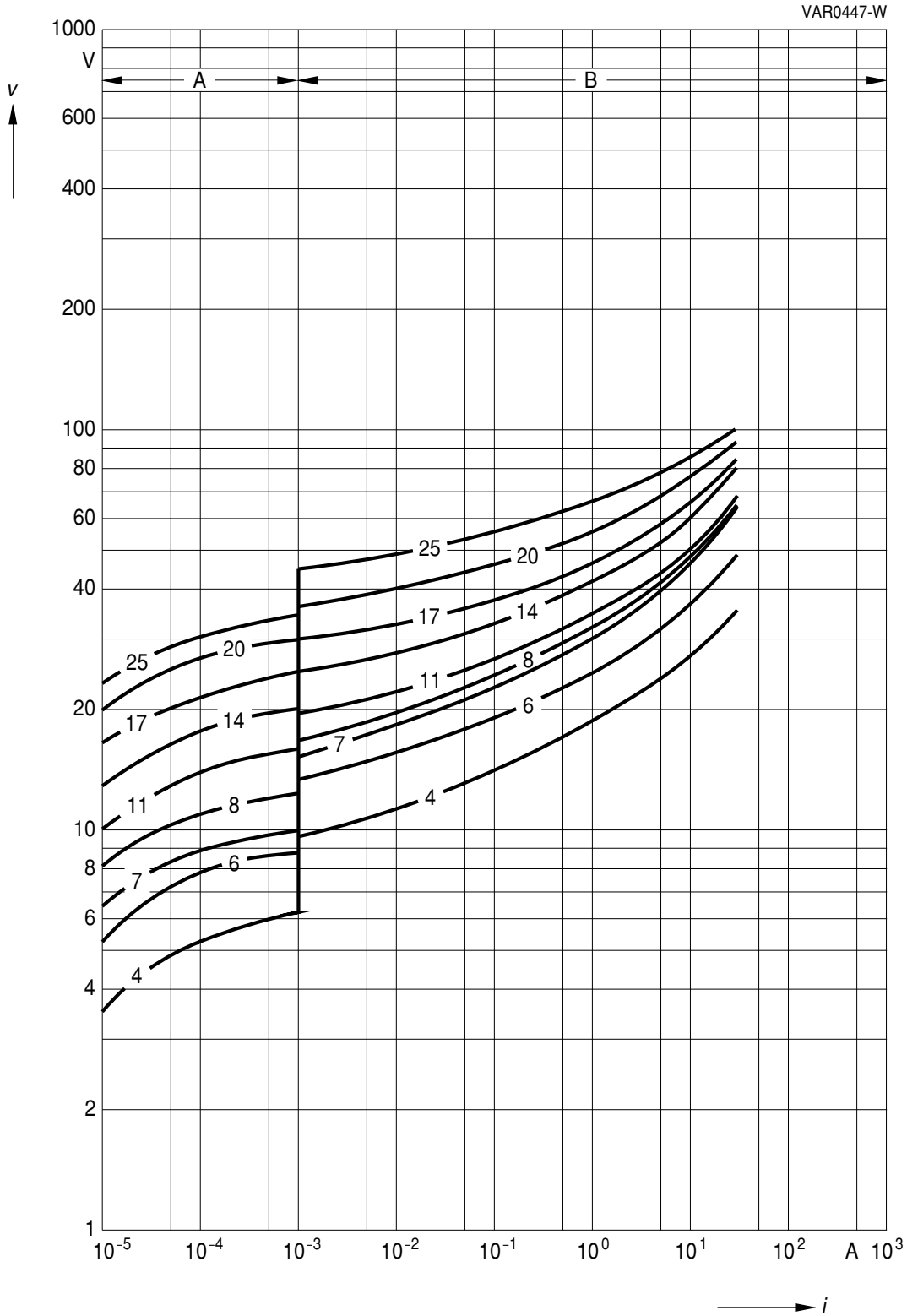
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-CT/CN0603M4G ... K25G

SIOV-CT/CN0603K17LCG

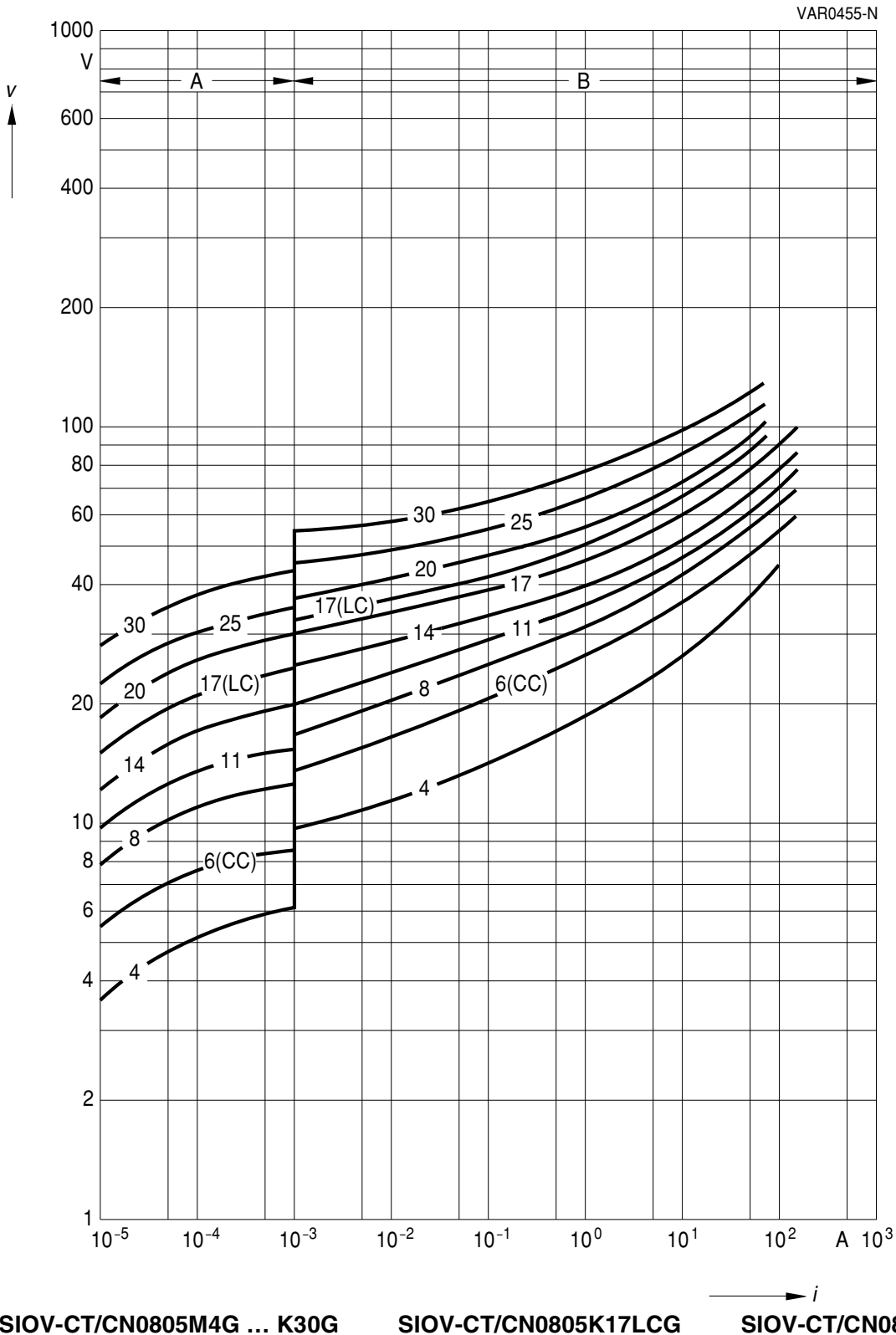
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



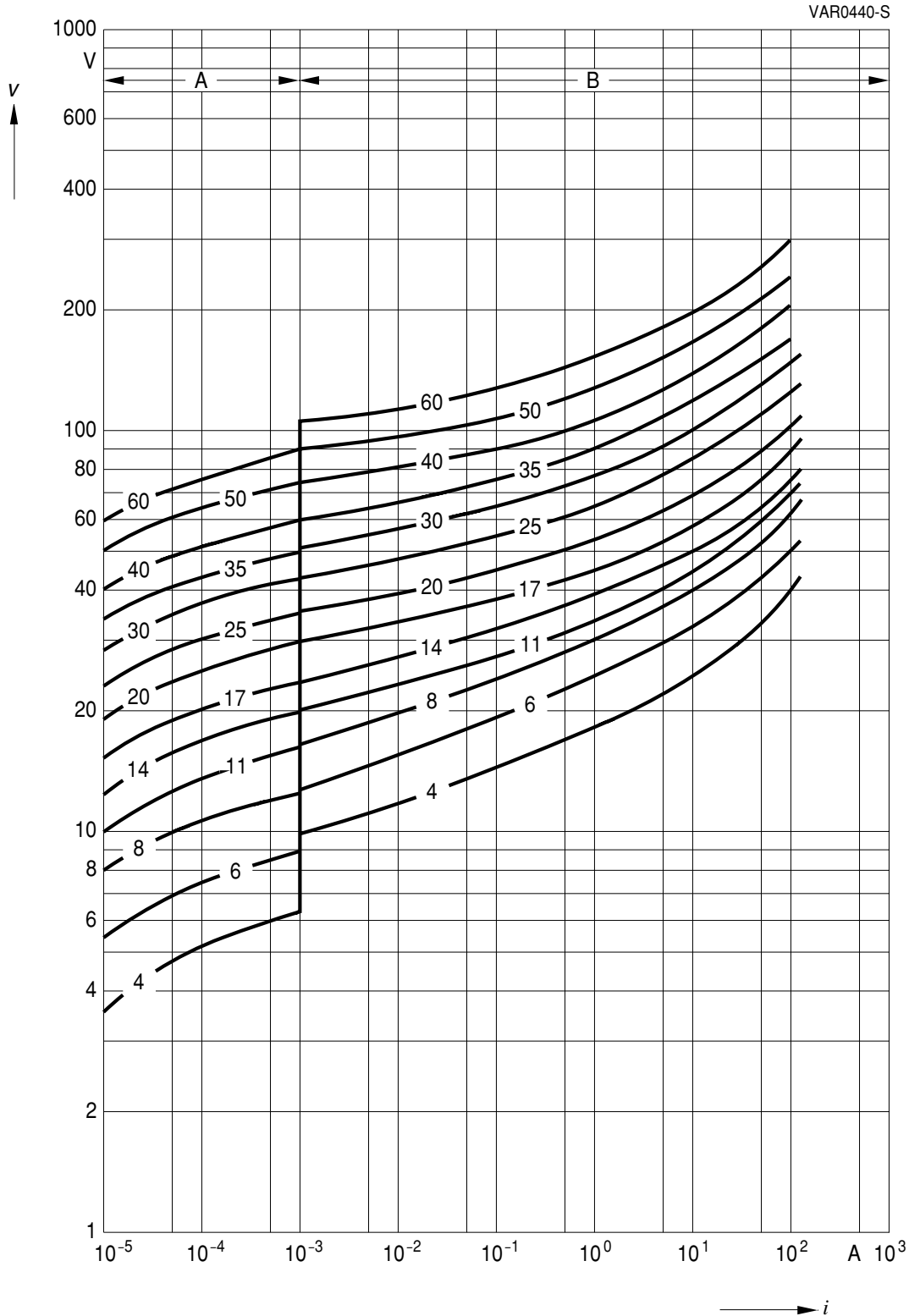
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-CT/CN1206M4G ... K60G

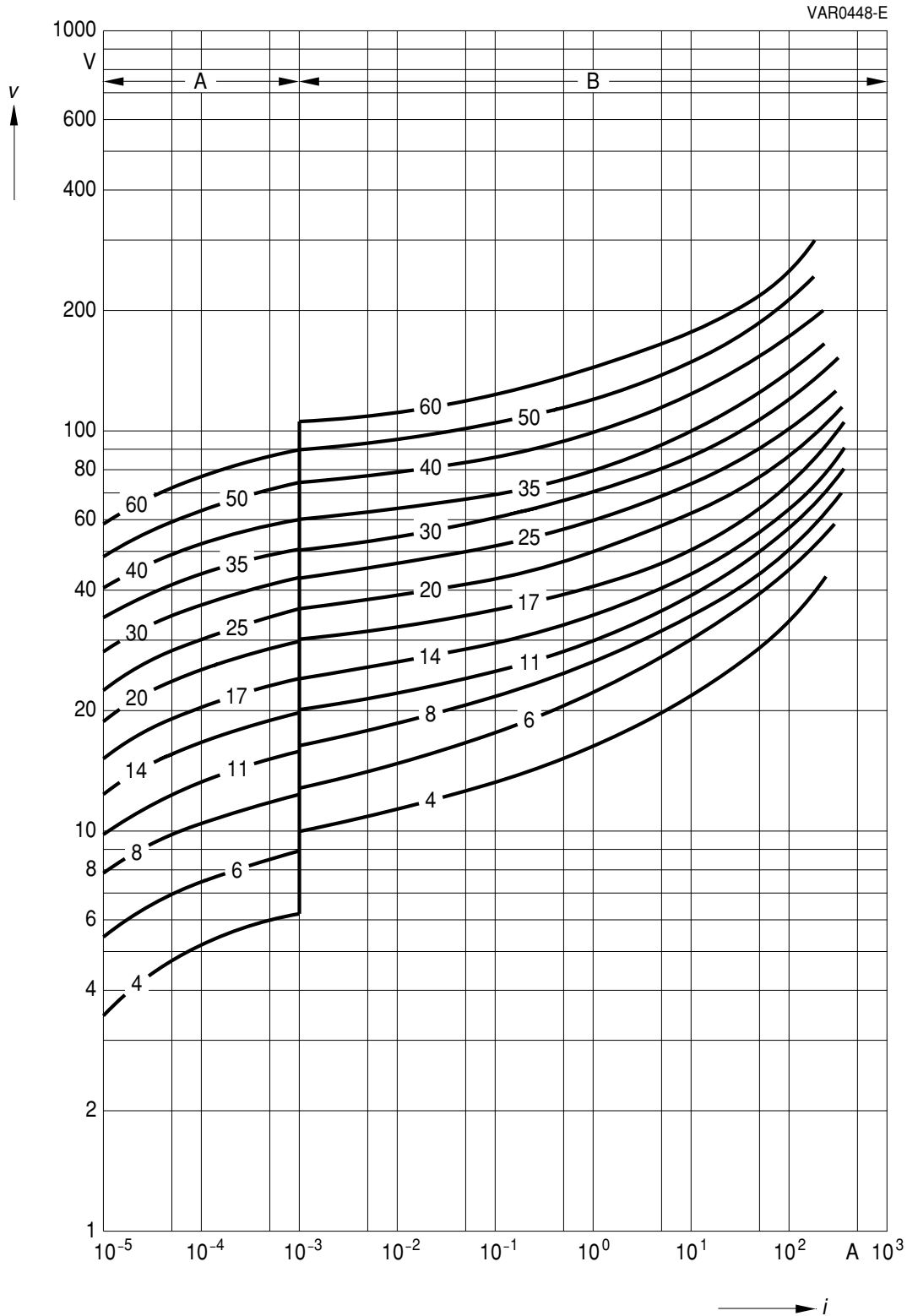
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-CT/CN1210M4G ... K60G

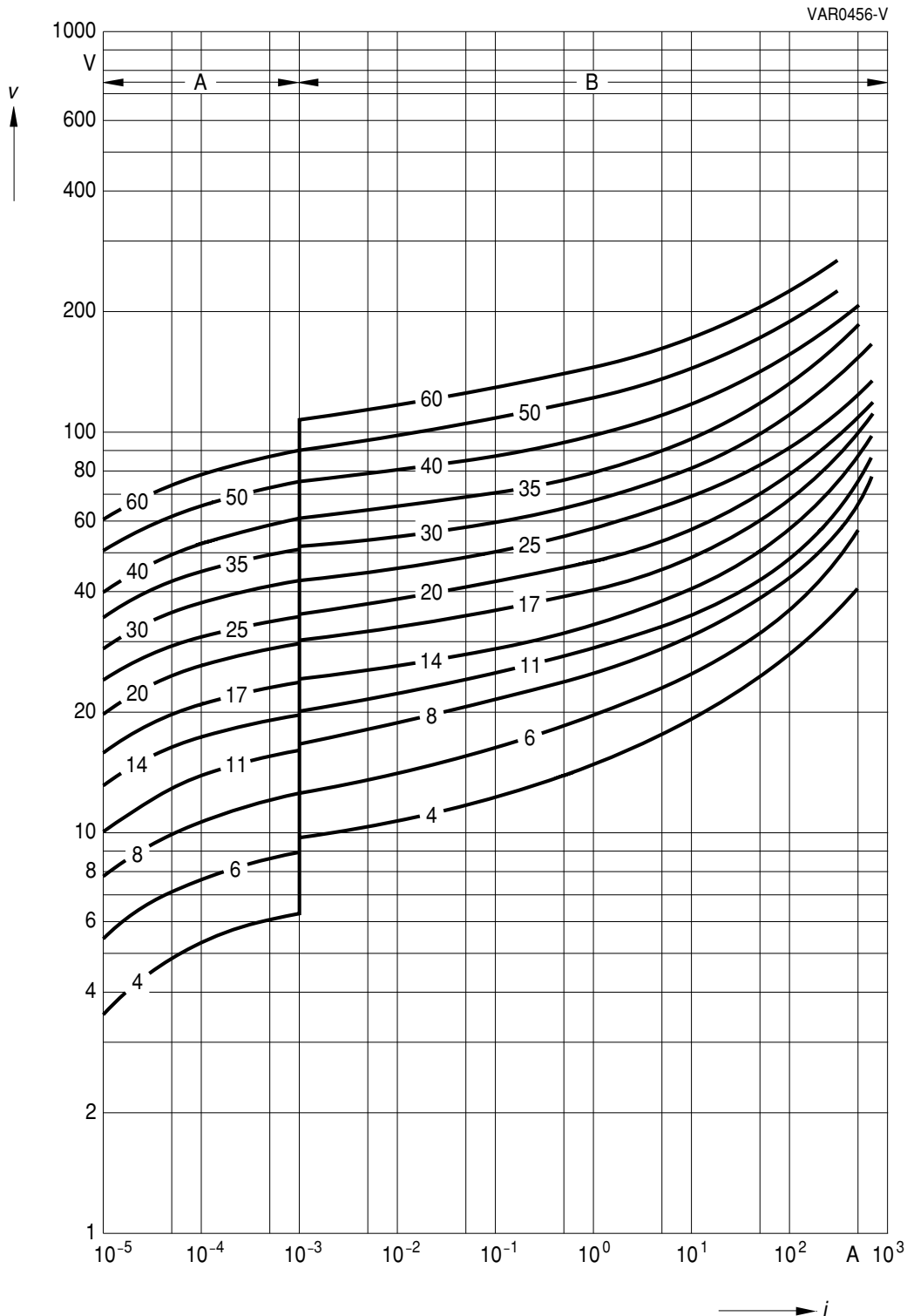
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-CT/CN1812M4G ... K60G
SHCV-SR1K20M ... X/Z $\hat{=}$ 1812

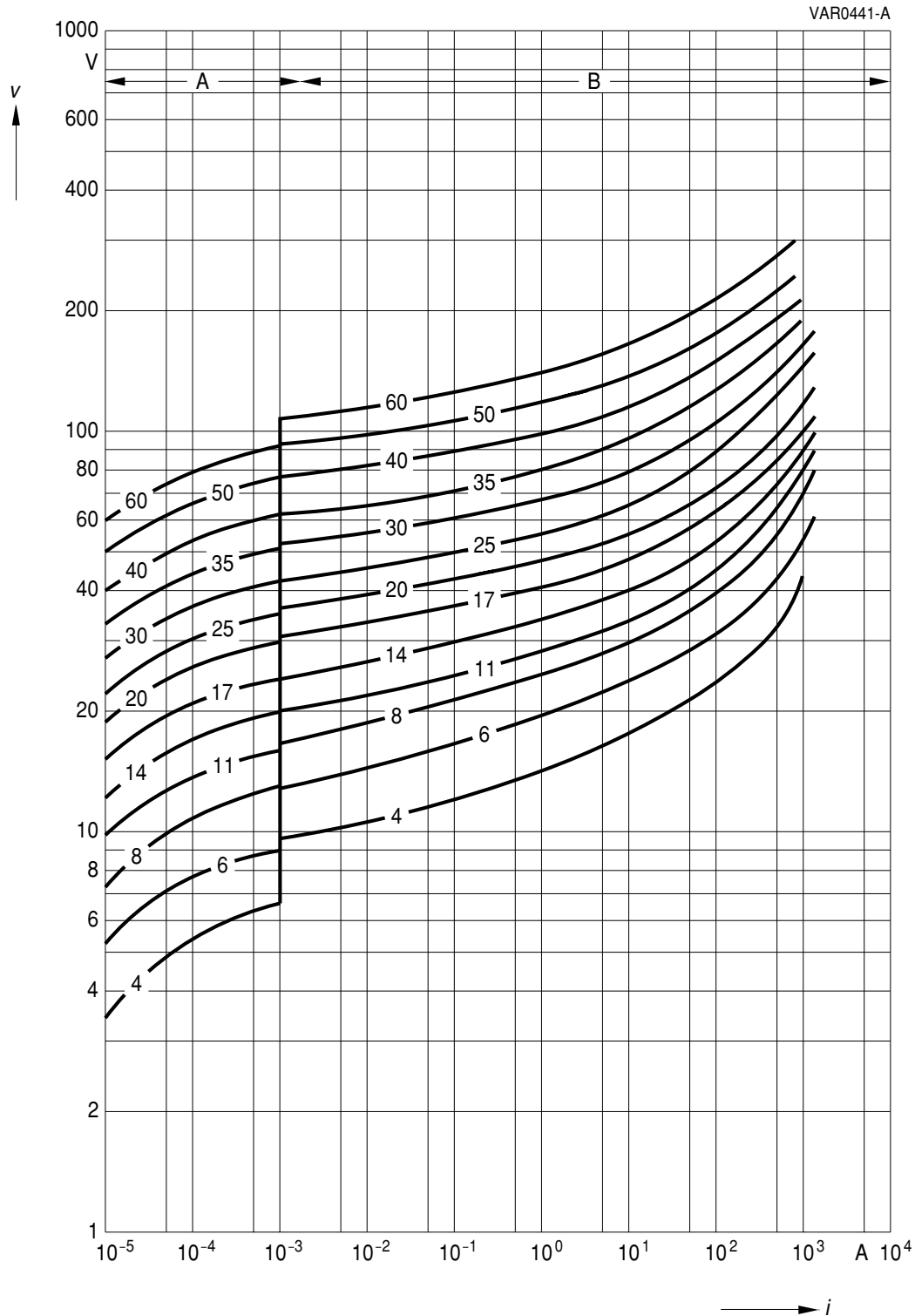
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-CT/CN2220M4G ... K60G
SIOV-CT/CN2220K25G ... K30AUTO(E2)G(2)

SHCV-SR2K20M ... X/Z \triangleq 2220

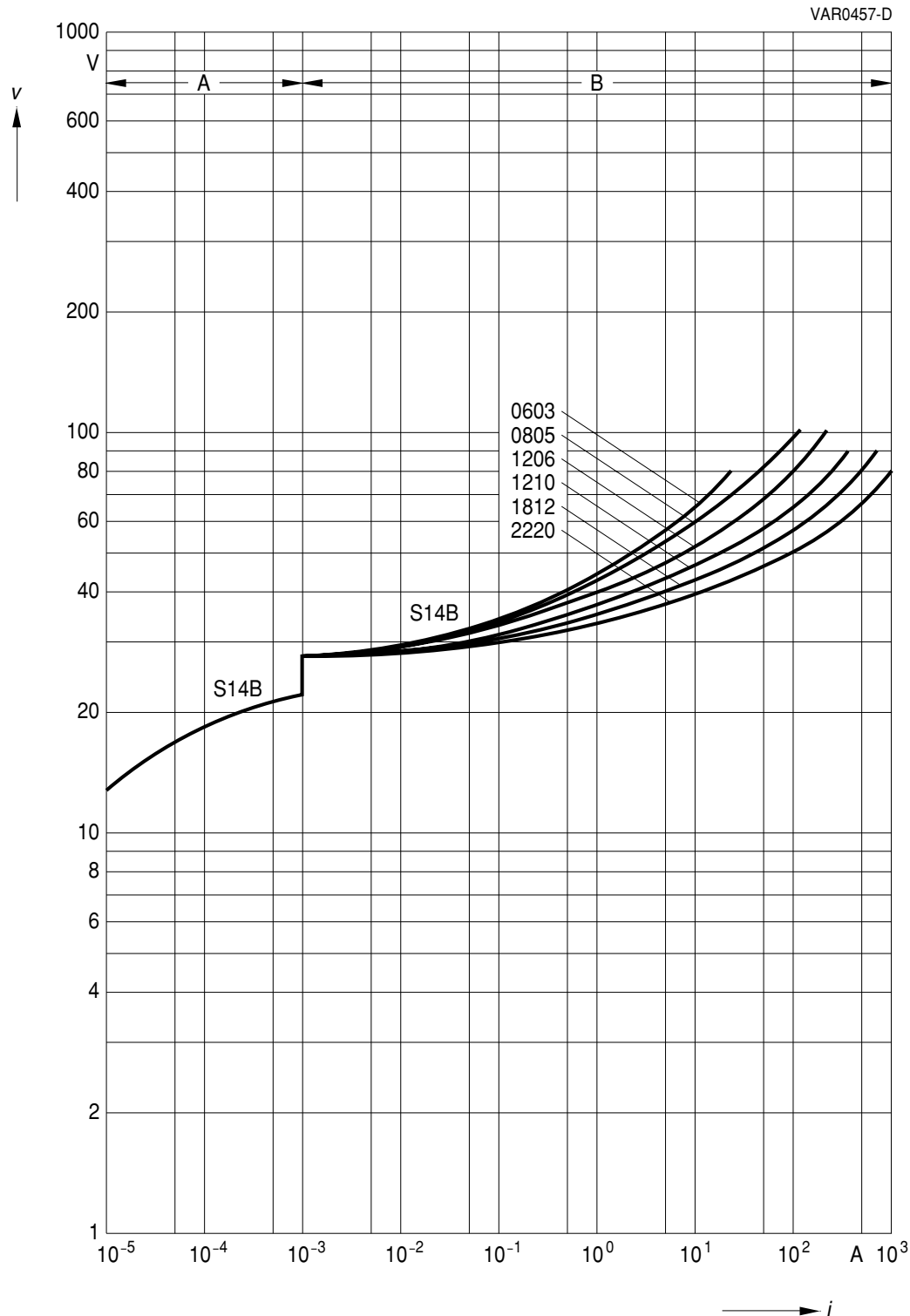
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-CT/CN0603S14BAUTOG ... 2220S14BAUTOG
SHCV-SR1S14B ... X/Z $\hat{=}$ 1812

SIOV-CN2220S14BAUTOE2G2
SHCV-SR2S14B ... X/Z $\hat{=}$ 2220

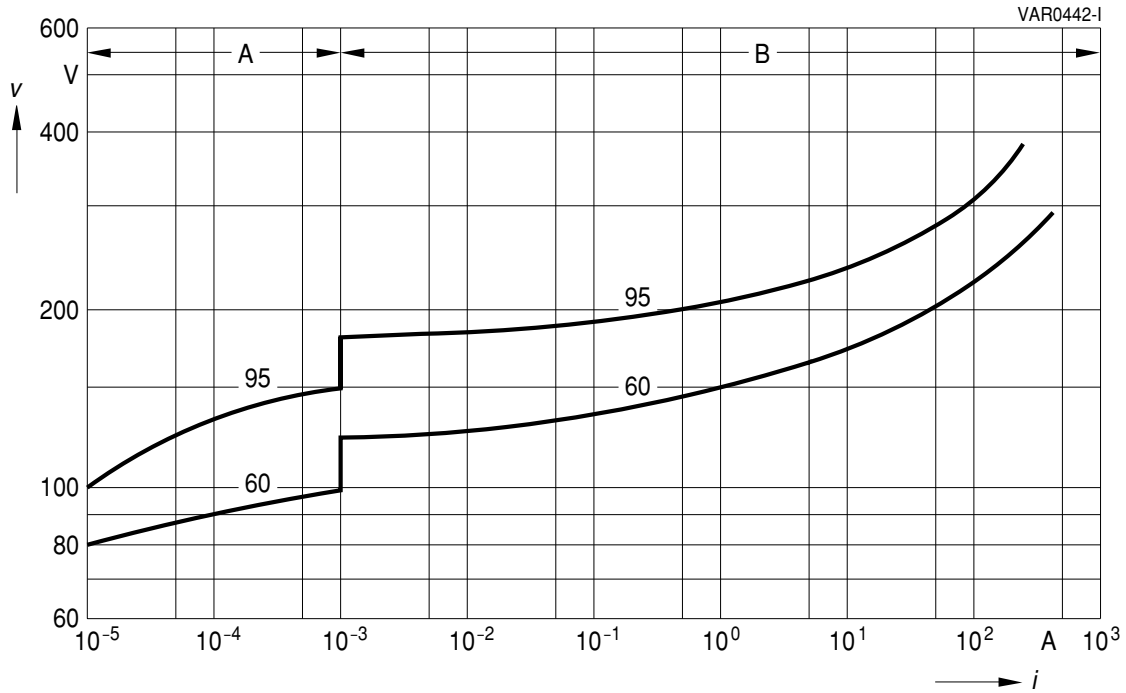
SIOV Metal Oxide Varistors

V/I Characteristics

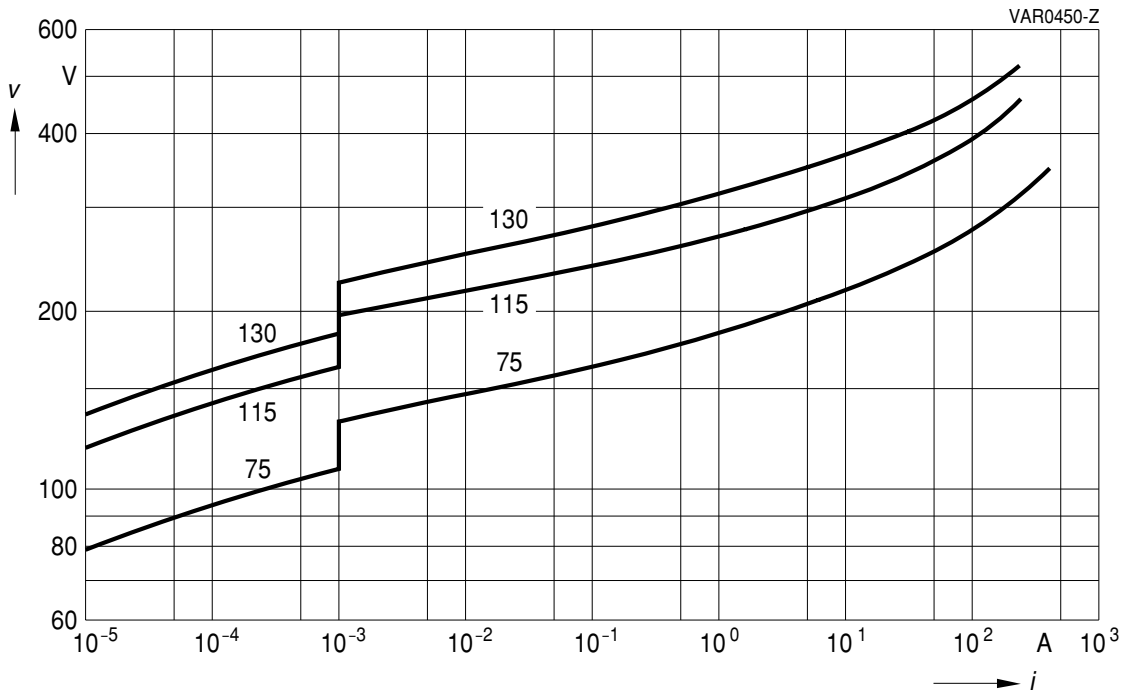
$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-CT/CN1812S60AG2 ... S95AG2



SIOV-CT/CN1812K75G2 ... K130G2

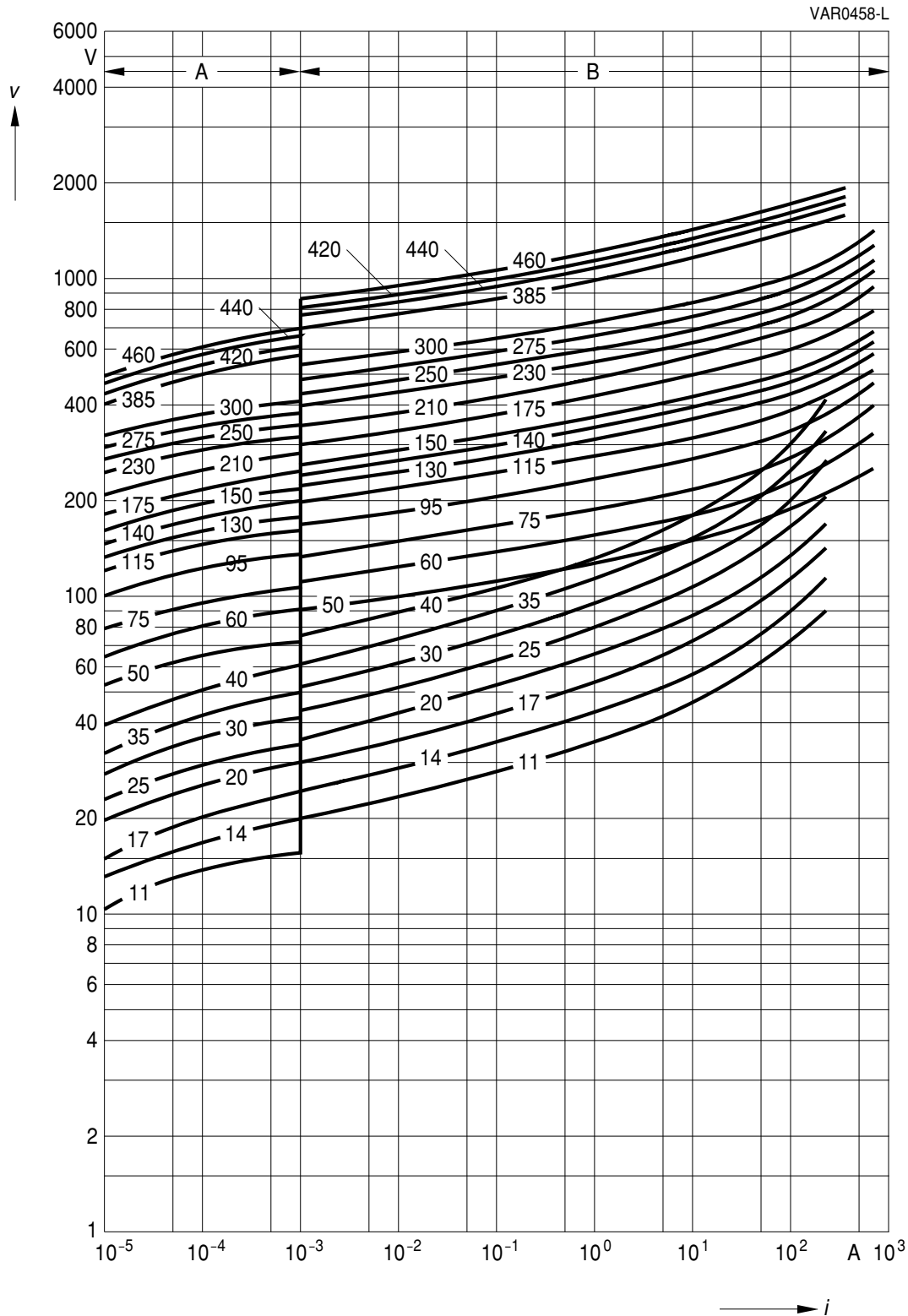
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-S05 ... (E2)

SIOV-CU3225 ... (AUTO)G2

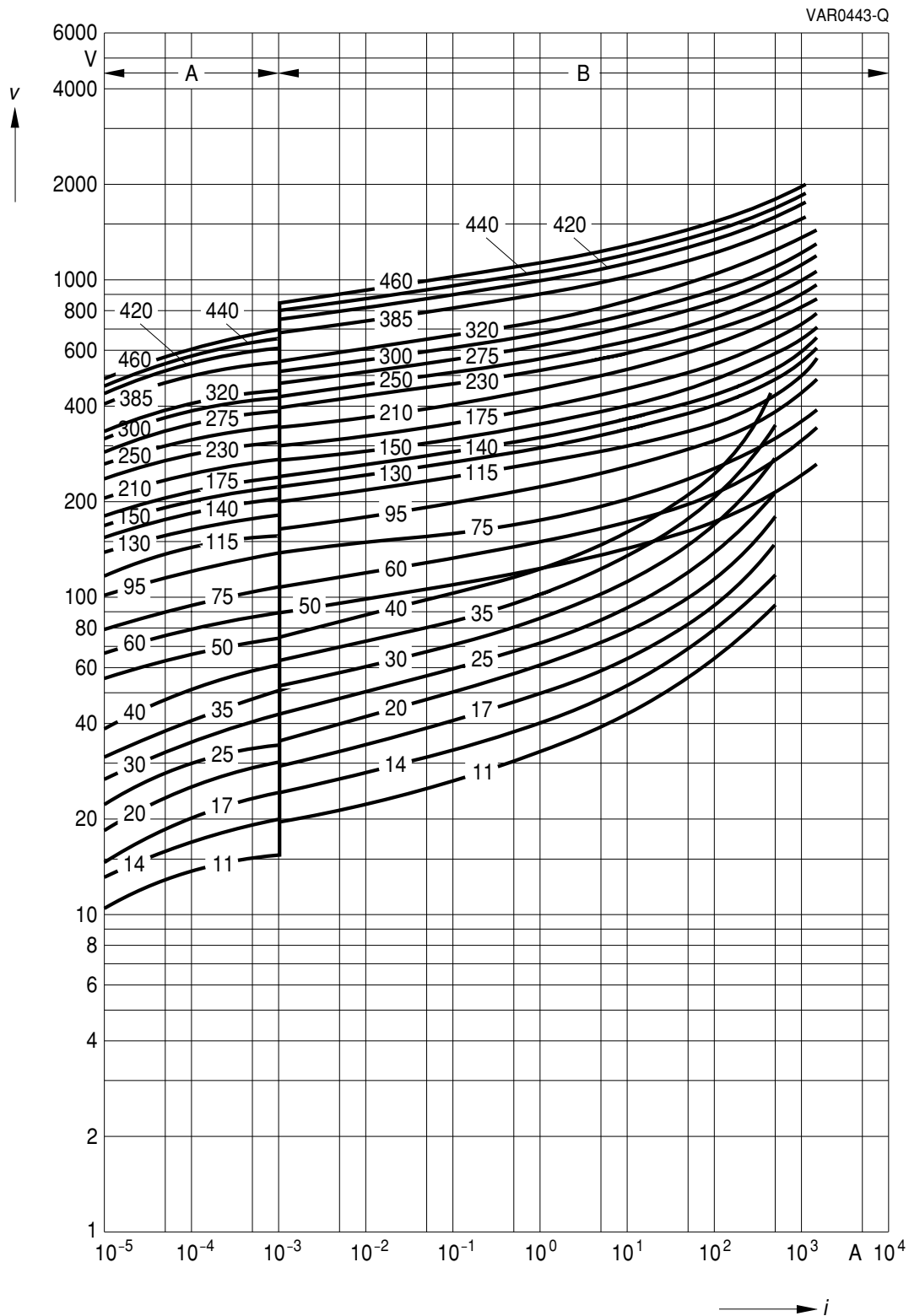
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-S07 ... (D1)(E2)

SIOV-CU4032 ... (AUTO)G2

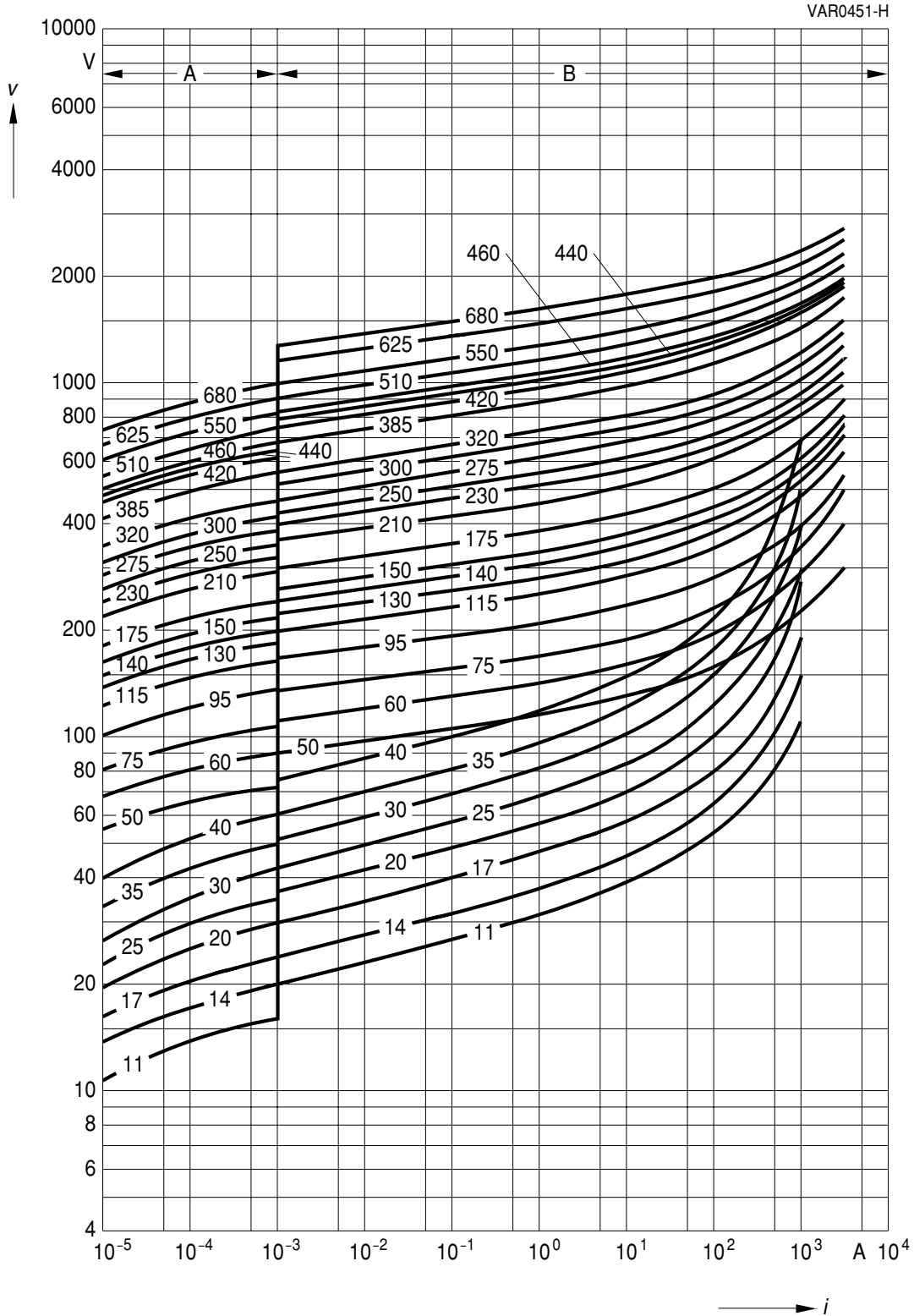
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-S10 ... (AUTO)(D1)(E2)

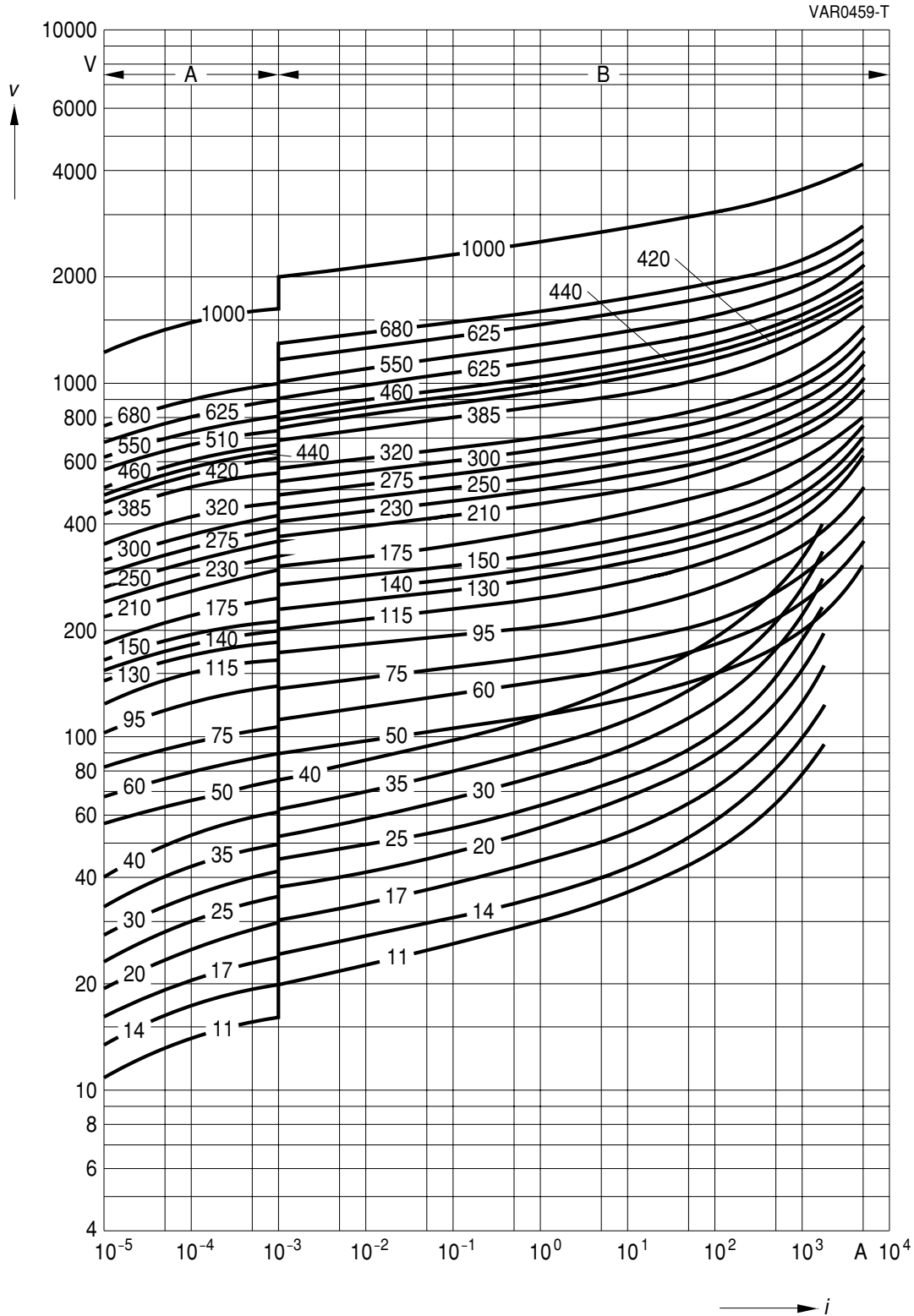
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-S14 ... (AUTO)(D1)(E2)

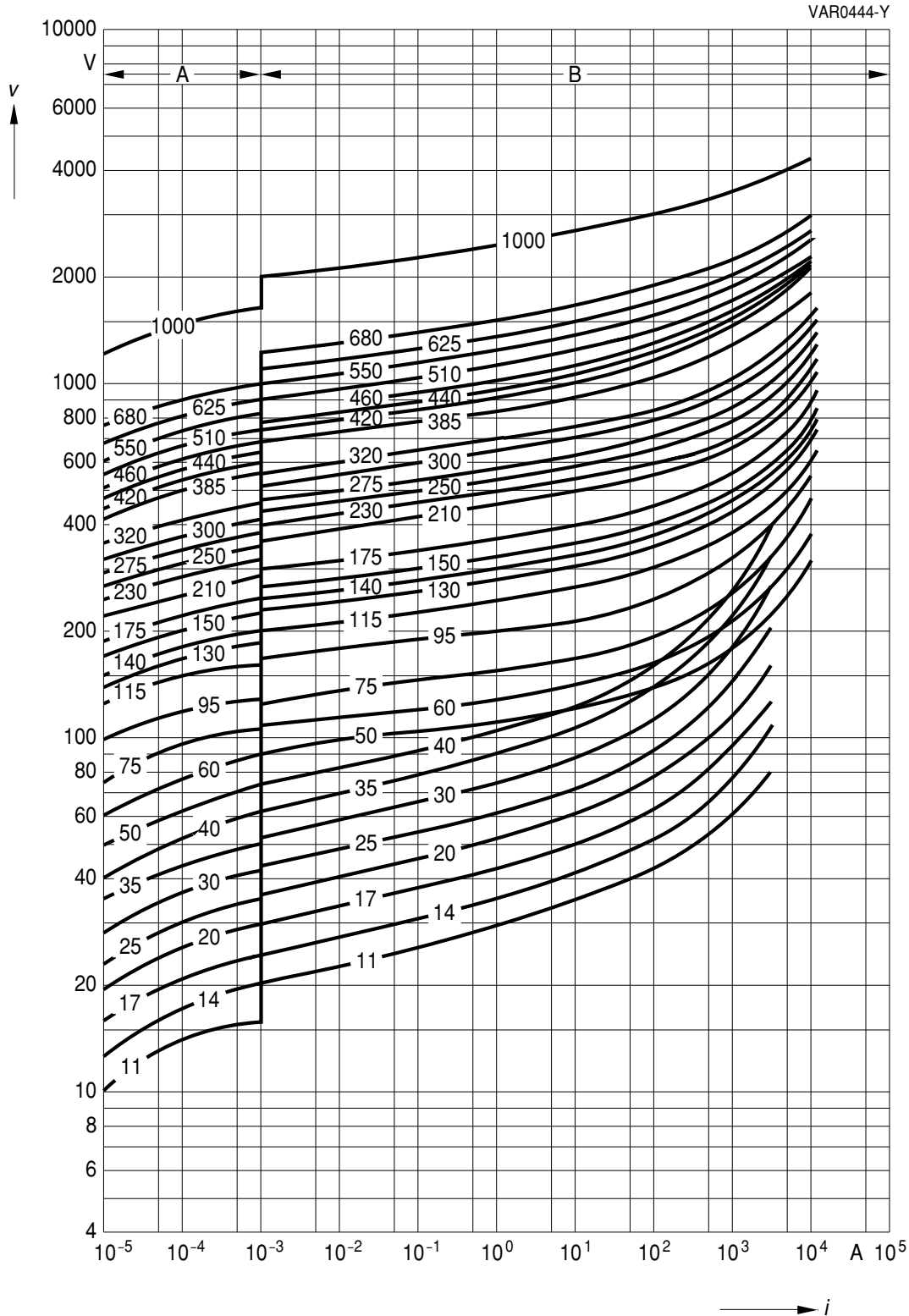
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-S20 ... (AUTO)(E2)(E3)

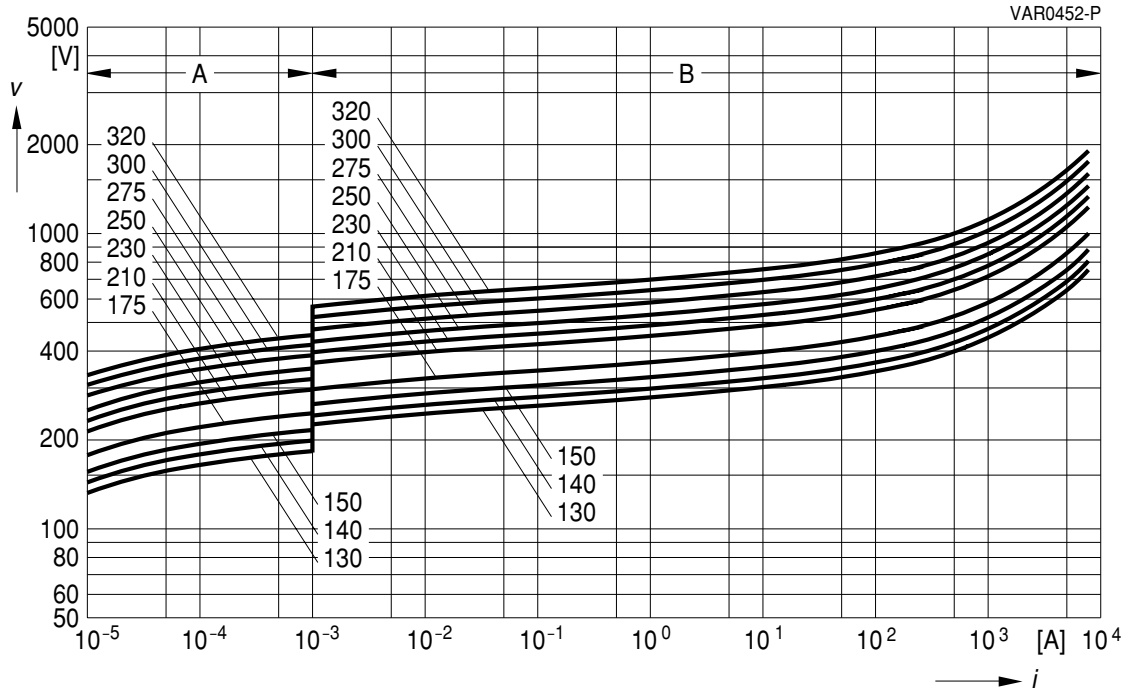
SIOV Metal Oxide Varistors

V/I Characteristics

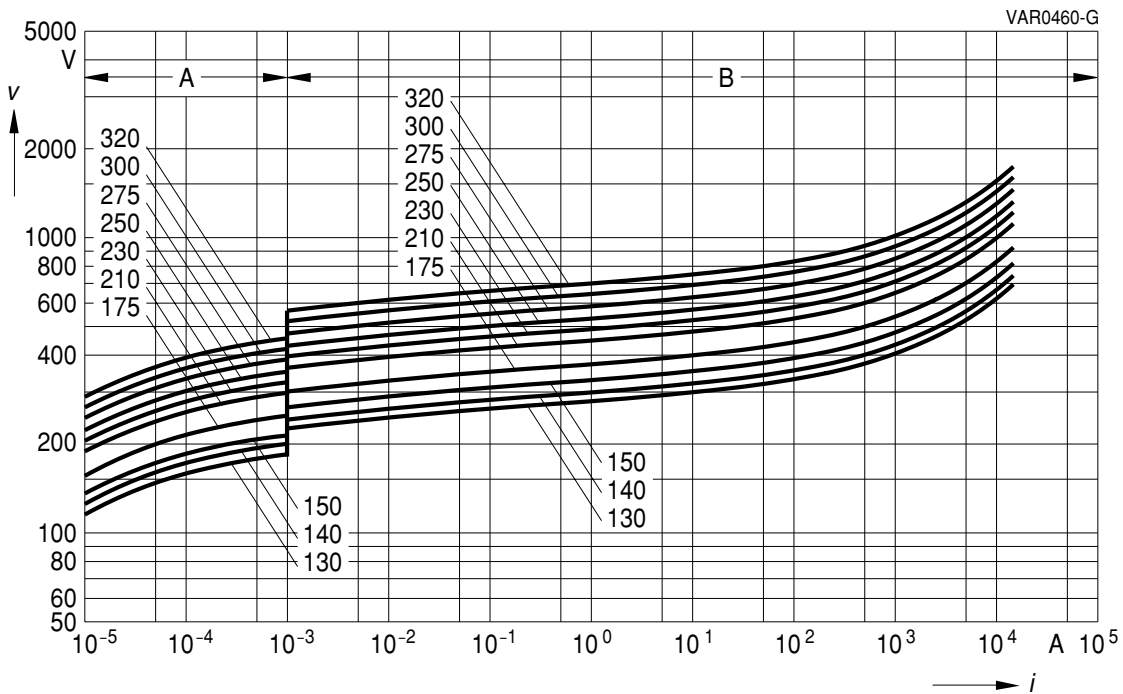
$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-Q14



SIOV-Q20

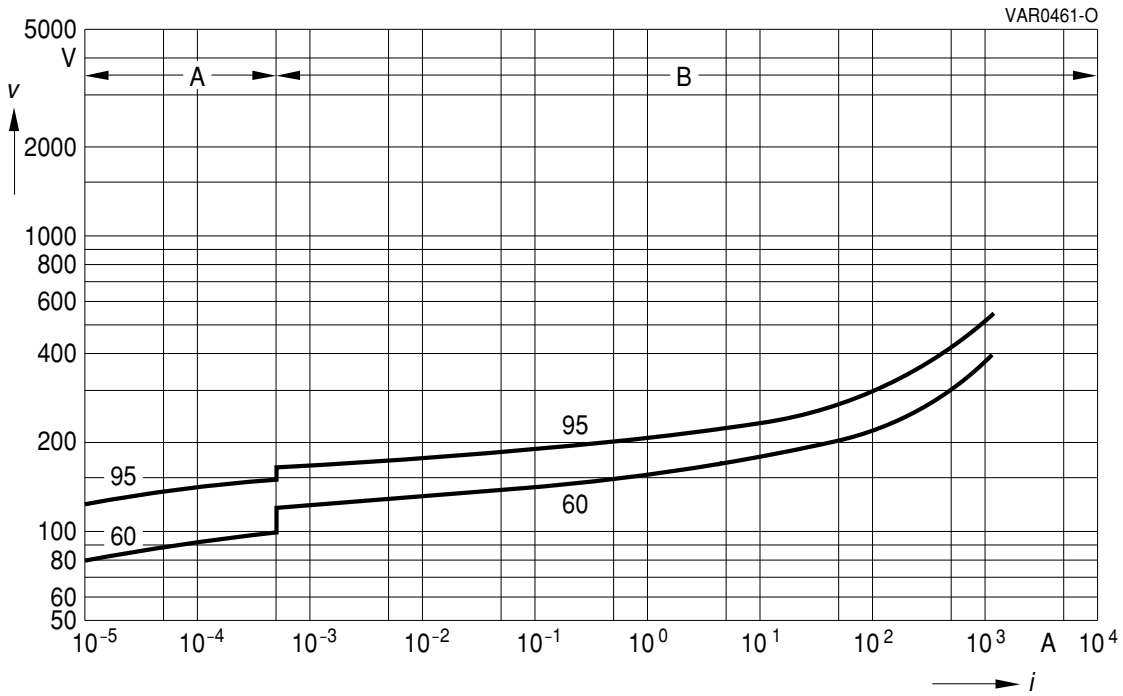
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-S07S60A ... S95AG2
SIOV-CU4032S60A ... S95AG2

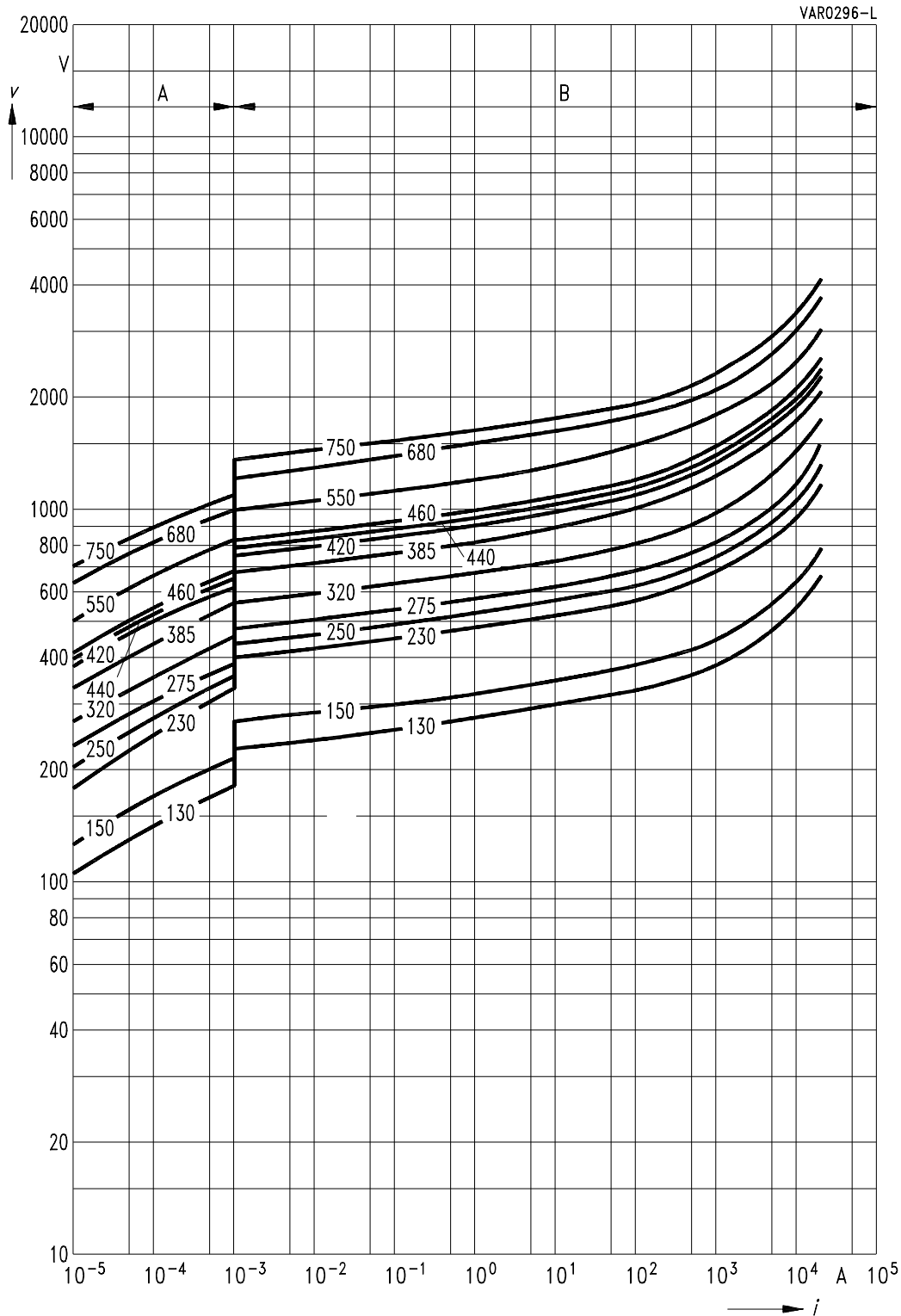
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-B32K130 ... K750

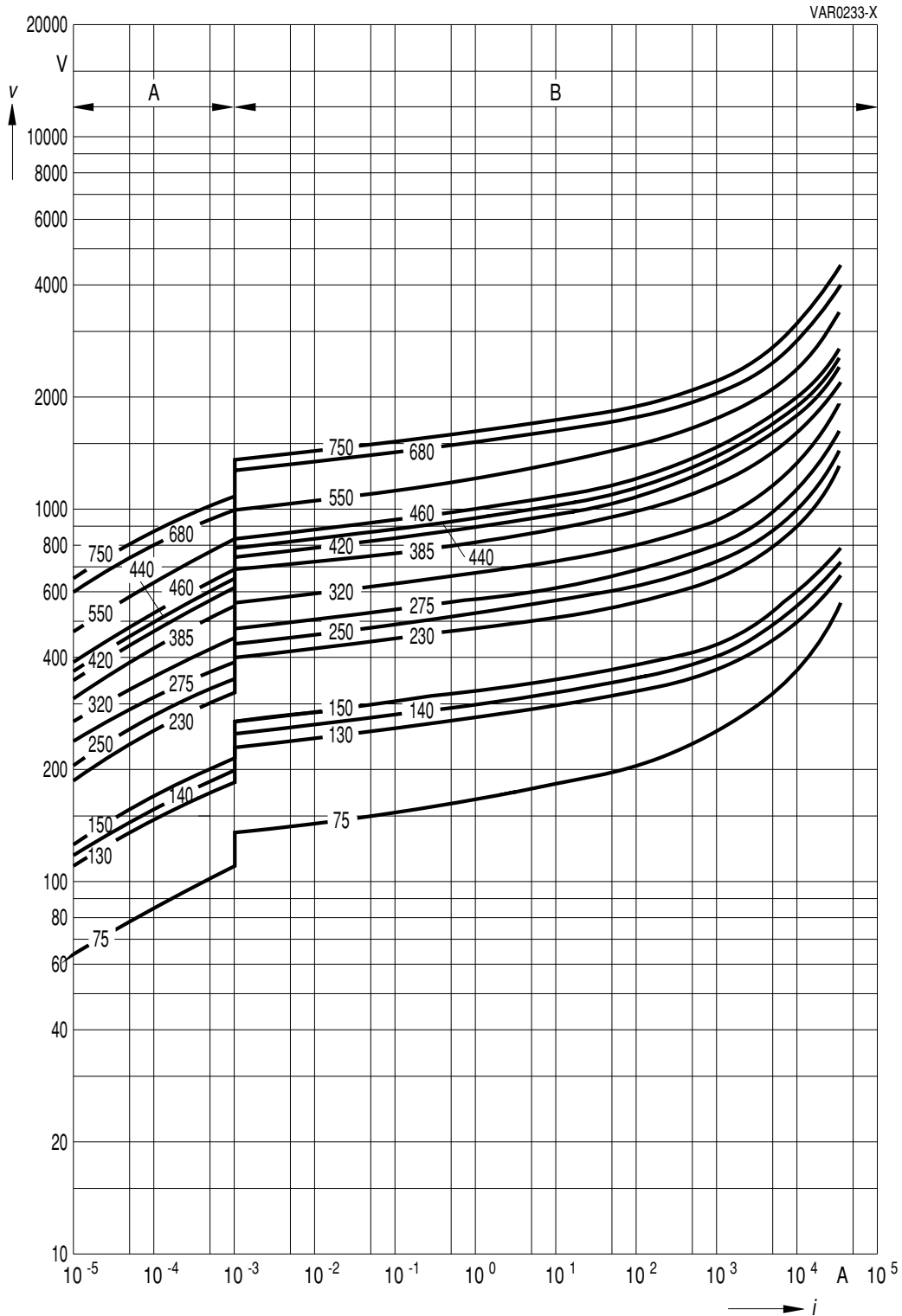
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-B40K75 ... K750

SIOV-LS40K130QP ... K750QP(K2)

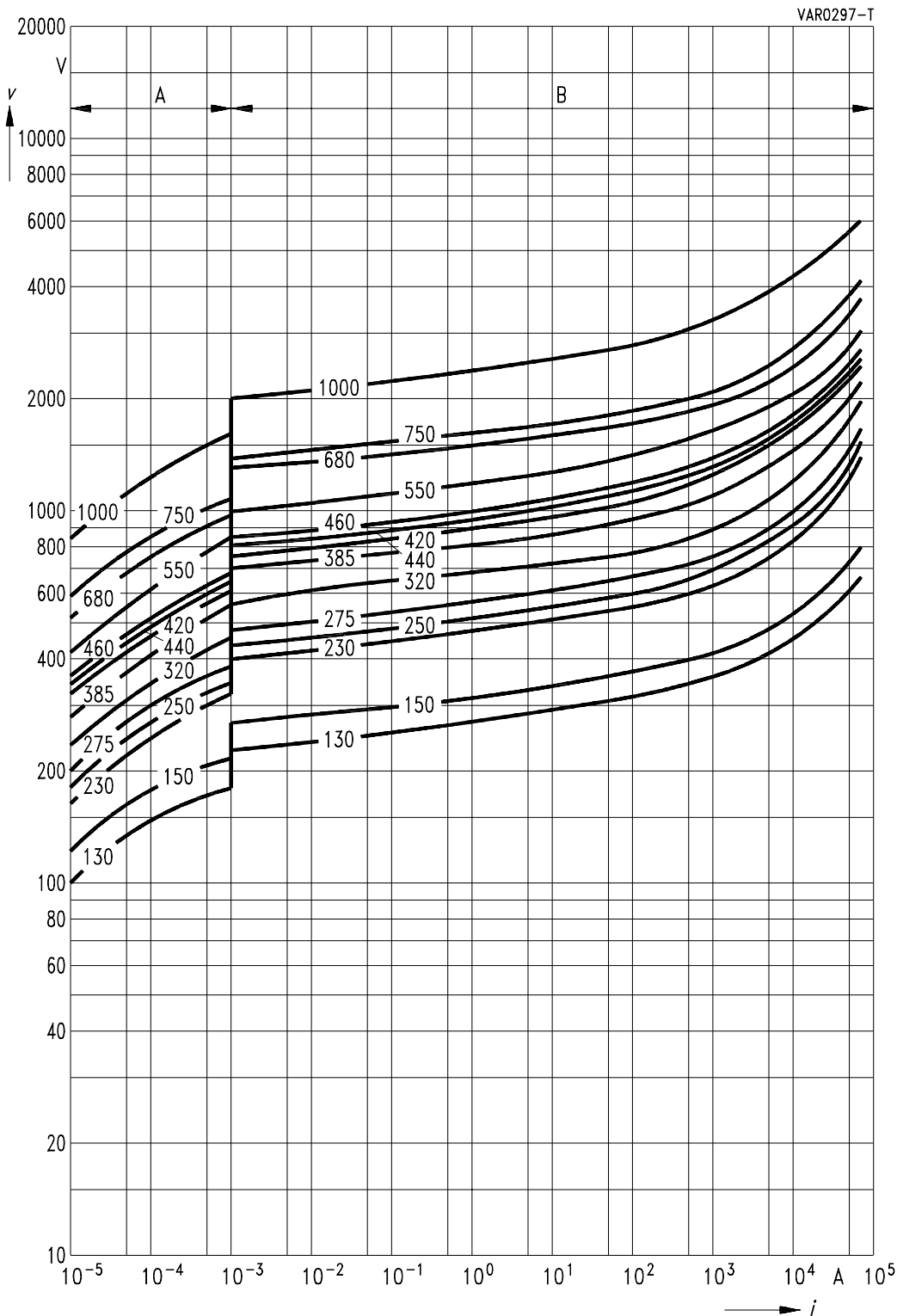
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics
refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case
varistor tolerances



SIOV-B60K130 ... K1000

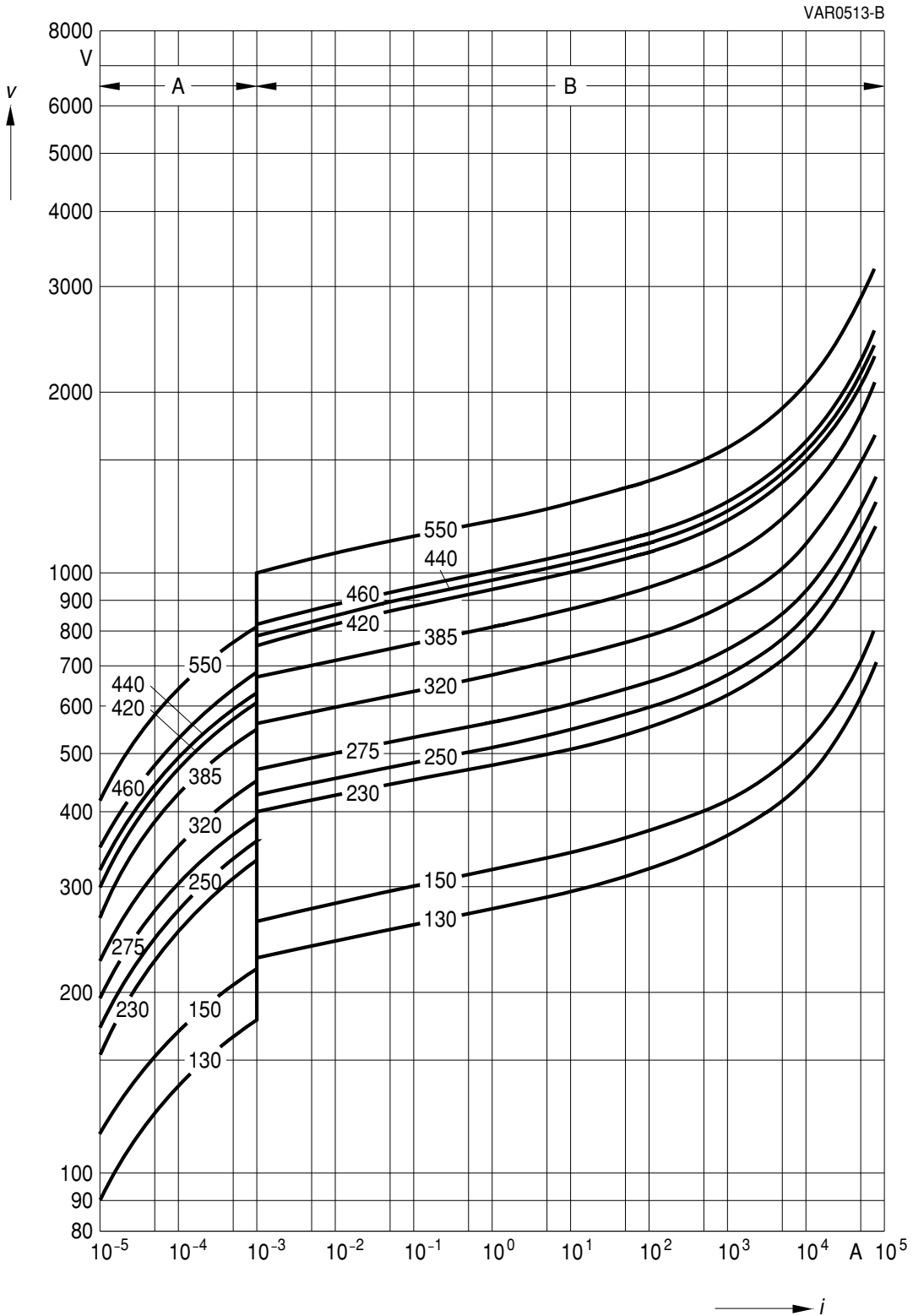
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-LS50K130PK2 ... K550PK2

SIOV-LS50K130P ... K550P

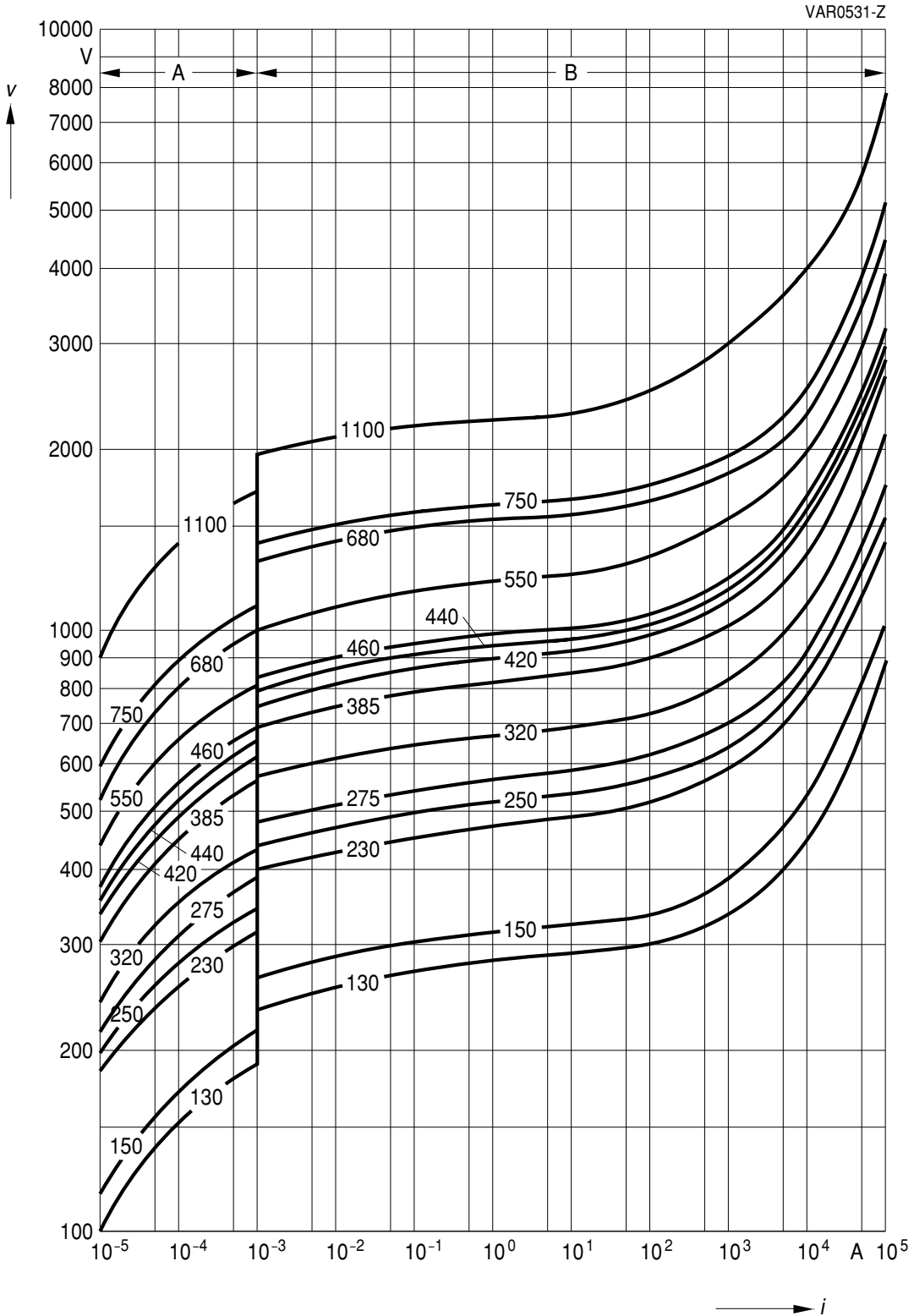
SIOV Metal Oxide Varistors

V/I Characteristics

$v = f(i)$ – for explanation of the characteristics refer to section 1.6.3

A = Leakage current
B = Protection level

{ for worst-case varistor tolerances



SIOV-B80K130 ... K1100

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