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Ceramic transient voltage suppressors

SMD multilayer transient voltage suppressors,
standard series

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B72580V0110K062	B72580T0110K062	2012-11-09	2013-03-01	2013-06-01
B72580V0080L062	B72580T0080L062	2012-11-09	2013-03-01	2013-06-01
B72580V0060M062	B72580T0040M062	2012-11-09	2013-03-01	2013-06-01

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Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B72580V0040M062	B72580T0040M062	2012-11-09	2013-03-01	2013-06-01
B72540V0080L062	B72540T0080L062	2012-11-09	2013-03-01	2013-06-01

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Multilayer varistors (MLVs)

Standard series

SMD

EPCOS type designation system for standard series

CT	0603	K	17	G	K2
<p>Construction: CT \triangleq Single chip with nickel barrier termination (AgNiSn) CN \triangleq Single chip with silver-palladium termination (AgPd) CN...K2 \triangleq Single chip with silver-platinum termination (AgPt)</p>					
<p>Case sizes: 0201 0402 0603 0805 1206 1210 1812 2220</p>					
<p>Tolerance of the varistor voltage: K \triangleq $\pm 10\%$ L \triangleq $\pm 15\%$ M \triangleq $\pm 20\%$ S \triangleq Special tolerance</p>					
<p>Maximum RMS operating voltage (V_{RMS}): 17 \triangleq 17 V</p>					
<p>Taping mode: G \triangleq 180-mm reel</p>					
<p>AgPt termination</p>					

Multilayer varistors (MLVs)

Standard series

SMD

Features

- ESD acc. to IEC 61000-4-2 level 4 (8 kV contact, 15 kV air discharge)
- Surge current up to 1200 A
- Bidirectional protection
- No derating up to 125°C (for case sizes \geq 0603)
- Fast response ($<$ 0.5 ns)
- RoHS-compatible
- CT version suitable for lead-free soldering
- PSpice simulation models available

Applications

- ESD protection in mobile phones, cordless phones and accessories
- ESD protection in data bus applications
- ESD protection in control electronics, detectors and sensors, touch screens, plug-in cards, remote controls

Design

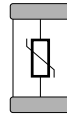
- Multilayer technology
- Lack of plastic or epoxy encapsulation for flammability rating better than UL 94 V-0
- Termination (see "Soldering directions"):
 - CT types with nickel barrier terminations (AgNiSn), recommended for lead-free soldering, and compatible with tin/lead solder.
 - CN types with silver-palladium terminations (AgPd) only suitable for reflow and wave soldering with solder on tin/lead basis.
 - CN...K2 types with silver-platinum terminations (AgPt) suitable for reflow lead-free soldering.

V/I characteristics and derating curves

V/I and derating curves are attached to the data sheet. The curves are sorted by V_{RMS} and then by case size, which is included in the type designation.

Single chip

Internal circuit



MLV0006-H

Available case sizes:

EIA	Metric
0201	0603
0402	1005
0603	1608
0805	2012
1206	3216
1210	3225
1812	4532
2220	5750

Multilayer varistors (MLVs)
Standard series
SMD
General technical data

Maximum RMS operating voltage		$V_{RMS,max}$	4 ... 60	V
Maximum DC operating voltage		$V_{DC,max}$	5.5 ... 85	V
Maximum surge current	(8/20 μ s)	$I_{surge,max}$	10 ... 1200	A
Maximum energy absorption	(2 ms)	W_{max}	7.5 ... 12000	mJ
Maximum power dissipation		$P_{diss,max}$	3 ... 20	mW
Maximum clamping voltage	(8/20 μ s)	$V_{clamp,max}$	17 ... 165	V
Operating temperature	for case size 0201, 0402	T_{op}	-40/+85	$^{\circ}$ C
	for case size \geq 0603	T_{op}	-55/+125	$^{\circ}$ C
Storage temperature	for case size 0201, 0402	LCT/UCT	-40/+125	$^{\circ}$ C
	for case size \geq 0603	LCT/UCT	-55/+150	$^{\circ}$ C

Multilayer varistors (MLVs)

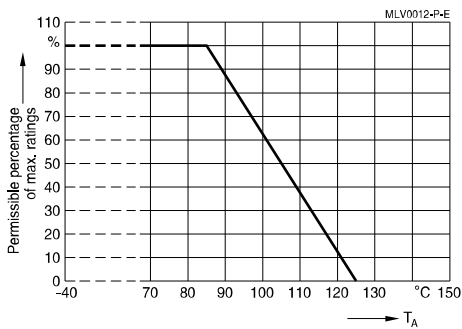
Standard series

SMD

Temperature derating

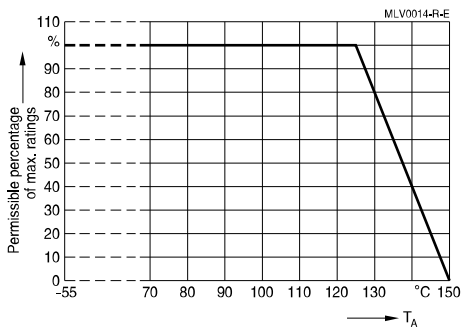
Climatic category:

–40/+85 °C for case size 0201 and 0402



Climatic category:

–55/+125 °C for case size ≥ 0603



Multilayer varistors (MLVs)
Standard series
SMD
Electrical specifications and ordering codes
Maximum ratings ($T_{op,max}$)

Type	Ordering code	$V_{RMS,max}$ V	$V_{DC,max}$ V	$I_{surge,max}$ (8/20 μ s) A	W_{max} (2 ms) mJ	$P_{diss,max}$ mW	$T_{op,max}$ $^{\circ}$ C
CN standard series							
CN1812M4G	B72580V0040M062	4	5.5	500	800	15	+125
CN2220M4G	B72540V0040M062	4	5.5	1000	1400	20	+125
CN1812M6G	B72580V0060M062	6	8	500	1000	15	+125
CN2220M6G	B72540V0060M062	6	8	1200	3600	20	+125
CN1812L8G	B72580V0080L062	8	11	800	1800	15	+125
CN2220L8G	B72540V0080L062	8	11	1200	4200	20	+125
CN1812K11G	B72580V0110K062	11	14	800	1900	15	+125
CN2220K11G	B72540V0110K062	11	14	1200	5400	20	+125
CN1812K14G	B72580V0140K062	14	18	800	2300	15	+125
CN1812K14GK2	B72582V0140K062	14	18	800	2300	15	+125
CN2220K14G	B72540V0140K062	14	18	1200	5800	20	+125
CN1812K17G	B72580V0170K062	17	22	800	2700	15	+125
CN2220K17G	B72540V0170K062	17	22	1200	7200	20	+125
CN1812K20G	B72580V0200K062	20	26	800	3000	15	+125
CN2220K20G	B72540V0200K062	20	26	1200	7800	20	+125
CN2220K20GK2	B72542V0200K062	20	26	1200	7800	20	+125
CN1812K25G	B72580V0250K062	25	31	800	3700	15	+125
CN2220K25G	B72540V0250K062	25	31	1200	9600	20	+125
CN2220K25GK2	B72542V0250K062	25	31	1200	9600	20	+125
CN1812K30G	B72580V0300K062	30	38	800	4200	15	+125
CN1812K30GK2	B72582V0300K062	30	38	800	4200	15	+125
CN2220K30G	B72540V0300K062	30	38	1200	12000	20	+125
CN2220K30GK2	B72542V0300K062	30	38	1200	12000	20	+125
CN1812K35GK2	B72582V0350K062	35	45	500	4000	15	+125
CN2220K35GK2	B72542V0350K062	35	45	1000	7700	20	+125
CN2220K40GK2	B72542V0400K062	40	56	1000	9000	20	+125
CT standard series							
CT0201S4AG	B72440T0040S160	4	5.5	-	-	-	+85
CT0402M4G	B72590T0040M060	4	5.5	20	7.5	3	+85
CT0603M4G	B72500T0040M060	4	5.5	30	100	3	+125
CT0805M4G	B72510T0040M062	4	5.5	100	100	5	+125
CT1206M4G	B72520T0040M062	4	5.5	150	300	8	+125
CT1210M4G	B72530T0040M062	4	5.5	250	400	10	+125
CT0603M6G	B72500T0060M060	6	8	30	100	3	+125

Multilayer varistors (MLVs)
Standard series
SMD
Characteristics (T_A = 25 °C)

Type	V _V (1 mA) V	ΔV _V %	V _{clamp,max} V	I _{clamp} (8/20 μs) A	C _{typ} (1 kHz, 1 V) pF
CN standard series					
CN1812M4G	8	±20	17	5	10000
CN2220M4G	8	±20	17	10	24000
CN1812M6G	11	±20	25	5	8000
CN2220M6G	11	±20	25	10	20000
CN1812L8G	15	±15	30	5	6000
CN2220L8G	15	±15	30	10	16000
CN1812K11G	18	±10	33	5	5000
CN2220K11G	18	±10	33	10	12000
CN1812K14G	22	±10	38	5	4500
CN1812K14GK2	22	±10	38	5	4500
CN2220K14G	22	±10	38	10	10000
CN1812K17G	27	±10	44	5	4000
CN2220K17G	27	±10	44	10	9000
CN1812K20G	33	±10	54	5	3000
CN2220K20G	33	±10	54	10	7000
CN2220K20GK2	33	±10	54	10	7000
CN1812K25G	39	±10	65	5	2500
CN2220K25G	39	±10	65	10	5000
CN2220K25GK2	39	±10	65	10	5000
CN1812K30G	47	±10	77	5	2000
CN1812K30GK2	47	±10	77	5	2000
CN2220K30G	47	±10	77	10	4000
CN2220K30GK2	47	±10	77	10	4000
CN1812K35GK2	56	±10	90	5	1200
CN2220K35GK2	56	±10	90	10	2500
CN2220K40GK2	68	±10	110	10	2000
CT standard series					
CT0201S4AG	15	±20	35	1	22 ¹⁾
CT0402M4G	10	±20	24	1	200 ¹⁾
CT0603M4G	8	±20	19	1	200
CT0805M4G	8	±20	19	1	700
CT1206M4G	8	±20	17	1	1500
CT1210M4G	8	±20	17	2.5	5000
CT0603M6G	11	±20	27	1	200

1) Measured @ 1 MHz, 1 V

Multilayer varistors (MLVs)
Standard series
SMD
Electrical specifications and ordering codes
Maximum ratings ($T_{op,max}$)

Type	Ordering code	$V_{RMS,max}$	$V_{DC,max}$	$I_{surge,max}$ (8/20 μ s)	W_{max} (2 ms)	$P_{diss,max}$	$T_{op,max}$
		V	V	A	mJ	mW	$^{\circ}$ C
CT standard series							
CT0805M6G	B72510T0060M062	6	8	120	200	5	+125
CT1206M6G	B72520T0060M062	6	8	200	400	8	+125
CT1210M6G	B72530T0060M062	6	8	300	700	10	+125
CT0603K7G	B72500T0070K060	7	9	30	100	3	+125
CT0603M7G	B72500T0070M060	7	9	30	100	3	+125
CT0603L8G	B72500T0080L060	8	11	30	100	3	+125
CT0805L8G	B72510T0080L062	8	11	120	200	5	+125
CT1206L8G	B72520T0080L062	8	11	200	500	8	+125
CT1210L8G	B72530T0080L062	8	11	400	1000	10	+125
CT0402S11AG	B72590T0110S160	11	14	20	7.5	3	+85
CT0603K11G	B72500T0110K060	11	14	30	200	3	+125
CT0805K11G	B72510T0110K062	11	14	120	200	5	+125
CT1206K11G	B72520T0110K062	11	14	200	500	8	+125
CT1210K11G	B72530T0110K062	11	14	400	1200	10	+125
CT0402L14G	B72590T0140L060	14	16	20	10	3	+85
CT0402L14UG	B72590T0140L960	14	16	10	10	3	+85
CT0603K14G	B72500T0140K060	14	18	30	200	3	+125
CT0603S14BG	B72500T0140S160	14	18	30	200	3	+125
CT0805K14G	B72510T0140K062	14	18	120	300	5	+125
CT1206K14G	B72520T0140K062	14	18	200	500	8	+125
CT1210K14G	B72530T0140K062	14	18	400	1500	10	+125
CT0402S17AG	B72590T0170S160	17	19	20	10	3	+85
CT0603K17G	B72500T0170K060	17	22	30	200	3	+125
CT0805K17G	B72510T0170K062	17	22	120	300	5	+125
CT1206K17G	B72520T0170K062	17	22	200	600	8	+125
CT1210K17G	B72530T0170K062	17	22	400	1700	10	+125
CT0603K20G	B72500T0200K060	20	26	30	200	3	+125
CT0805K20G	B72510T0200K062	20	26	80	300	5	+125
CT1206K20G	B72520T0200K062	20	26	200	700	8	+125
CT1210K20G	B72530T0200K062	20	26	400	1900	10	+125
CT0603K25G	B72500T0250K060	25	31	30	300	3	+125
CT0805K25G	B72510T0250K062	25	31	80	300	5	+125
CT1206K25G	B72520T0250K062	25	31	200	1000	8	+125
CT1210K25G	B72530T0250K062	25	31	300	1700	10	+125
CT0805K30G	B72510T0300K062	30	38	80	300	5	+125

Multilayer varistors (MLVs)
Standard series
SMD
Characteristics (T_A = 25 °C)

Type	V _V (1 mA) V	ΔV _V %	V _{clamp,max} V	I _{clamp} (8/20 μs) A	C _{typ} (1 kHz, 1 V) pF
CT standard series					
CT0805M6G	11	±20	27	1	600
CT1206M6G	11	±20	25	1	1200
CT1210M6G	11	±20	25	2.5	4000
CT0603K7G	12.5	±10	27	1	130
CT0603M7G	12.5	±20	30	1	200
CT0603L8G	15	±15	33	1	150
CT0805L8G	15	±15	33	1	500
CT1206L8G	15	±15	30	1	1000
CT1210L8G	15	±15	30	2.5	3000
CT0402S11AG	18.4	±10	35	1	120 ¹⁾
CT0603K11G	18	±10	35	1	100
CT0805K11G	18	±10	35	1	400
CT1206K11G	18	±10	33	1	800
CT1210K11G	18	±10	33	2.5	2400
CT0402L14G	23.5	±15	46	1	47 ¹⁾
CT0402L14UG	23.5	±15	46	1	47 ¹⁾
CT0603K14G	22	±10	40	1	100
CT0603S14BG	22	+23/-0	42	1	120
CT0805K14G	22	±10	40	1	350
CT1206K14G	22	±10	38	1	700
CT1210K14G	22	±10	38	2.5	2000
CT0402S17AG	32	±25	59	1	33 ¹⁾
CT0603K17G	27	±10	46	1	100
CT0805K17G	27	±10	46	1	400
CT1206K17G	27	±10	44	1	650
CT1210K17G	27	±10	44	2.5	1800
CT0603K20G	33	±10	56	1	90
CT0805K20G	33	±10	56	1	300
CT1206K20G	33	±10	54	1	600
CT1210K20G	33	±10	54	2.5	1500
CT0603K25G	39	±10	67	1	90 ¹⁾
CT0805K25G	39	±10	67	1	250
CT1206K25G	39	±10	65	1	550
CT1210K25G	39	±10	65	2.5	1200
CT0805K30G	47	±10	77	1	200

1) Measured @ 1 MHz, 1 V

Multilayer varistors (MLVs)
Standard series
SMD
Electrical specifications and ordering codes
Maximum ratings ($T_{op,max}$)

Type	Ordering code	$V_{RMS,max}$ V	$V_{DC,max}$ V	$I_{surge,max}$ (8/20 μ s) A	W_{max} (2 ms) mJ	$P_{diss,max}$ mW	$T_{op,max}$ $^{\circ}$ C
CT standard series							
CT1206K30G	B72520T0300K062	30	38	200	1100	8	+125
CT1210K30G	B72530T0300K062	30	38	300	2000	10	+125
CT1206K35G	B72520T0350K062	35	45	100	400	8	+125
CT1210K35G	B72530T0350K062	35	45	250	2000	10	+125
CT1206K40G	B72520T0400K062	40	56	100	500	8	+125
CT1210K40G	B72530T0400K062	40	56	250	2300	10	+125
CT1206K50G	B72520T0500K062	50	65	100	600	8	+125
CT1210K50G	B72530T0500K062	50	65	200	1600	10	+125
CT1206K60G	B72520T0600K062	60	85	100	700	8	+125
CT1210K60G	B72530T0600K062	60	85	200	2000	10	+125

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

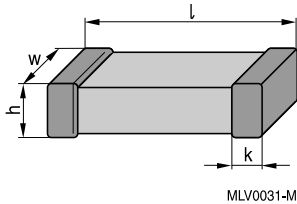
Type	V_V (1 mA) V	ΔV_V %	$V_{clamp,max}$ V	I_{clamp} (8/20 μ s) A	C_{typ} (1 kHz, 1 V) pF
CT standard series					
CT1206K30G	47	\pm 10	77	1	500
CT1210K30G	47	\pm 10	77	2.5	1000
CT1206K35G	56	\pm 10	90	1	200
CT1210K35G	56	\pm 10	90	2.5	600
CT1206K40G	68	\pm 10	110	1	250
CT1210K40G	68	\pm 10	110	2.5	500
CT1206K50G	82	\pm 10	135	1	120
CT1210K50G	82	\pm 10	135	2.5	250
CT1206K60G	100	\pm 10	165	1	100
CT1210K60G	100	\pm 10	165	2.5	200

Multilayer varistors (MLVs)

Standard series

SMD

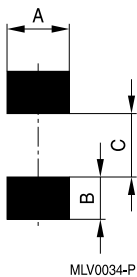
Dimensional drawing



Dimensions in mm

Case size EIA / mm	l	w	h	k
0201 / 0603	0.6 ±0.03	0.30 ±0.03	0.33 max.	0.15 ±0.05
0402 / 1005	1.0 ±0.15	0.50 ±0.10	0.6 max.	0.10 ... 0.30
0603 / 1608	1.6 ±0.15	0.80 ±0.10	0.9 max.	0.10 ... 0.40
0805 / 2012	2.0 ±0.20	1.25 ±0.15	1.4 max.	0.13 ... 0.75
1206 / 3216	3.2 ±0.30	1.60 ±0.20	1.7 max.	0.25 ... 0.75
1210 / 3225	3.2 ±0.30	2.50 ±0.25	1.7 max.	0.25 ... 0.75
1812 / 4532	4.5 ±0.40	3.20 ±0.30	2.5 max.	0.25 ... 1.00
2220 / 5750	5.7 ±0.40	5.00 ±0.40	2.5 max.	0.25 ... 1.00

Recommended solder pad layout



Dimensions in mm

Case size EIA / mm	A	B	C
0201 / 0603	0.30	0.25	0.30
0402 / 1005	0.60	0.60	0.50
0603 / 1608	1.00	1.00	1.00
0805 / 2012	1.40	1.20	1.00
1206 / 3216	1.80	1.20	2.10
1210 / 3225	2.80	1.20	2.10
1812 / 4532	3.60	1.50	3.00
2220 / 5750	5.50	1.50	4.20

Multilayer varistors (MLVs)
Standard series
SMD
Delivery mode

EIA case size	Taping	Reel size mm	Packing unit pcs.	Type	Ordering code
0201	Cardboard	180	15000	CT0201S4AG	B72440T0040S160
0402	Cardboard	180	10000	CT0402L14G	B72590T0140L060
0402	Cardboard	180	10000	CT0402L14UG	B72590T0140L960
0402	Cardboard	180	10000	CT0402M4G	B72590T0040M060
0402	Cardboard	180	10000	CT0402S11AG	B72590T0110S160
0402	Cardboard	180	10000	CT0402S17AG	B72590T0170S160
0603	Cardboard	180	4000	CT0603K11G	B72500T0110K060
0603	Cardboard	180	4000	CT0603K14G	B72500T0140K060
0603	Cardboard	180	4000	CT0603K17G	B72500T0170K060
0603	Cardboard	180	4000	CT0603K20G	B72500T0200K060
0603	Cardboard	180	4000	CT0603K25G	B72500T0250K060
0603	Cardboard	180	4000	CT0603K7G	B72500T0070K060
0603	Cardboard	180	4000	CT0603L8G	B72500T0080L060
0603	Cardboard	180	4000	CT0603M4G	B72500T0040M060
0603	Cardboard	180	4000	CT0603M6G	B72500T0060M060
0603	Cardboard	180	4000	CT0603M7G	B72500T0070M060
0603	Cardboard	180	4000	CT0603S14BG	B72500T0140S160
0805	Blister	180	3000	CT0805K11G	B72510T0110K062
0805	Blister	180	3000	CT0805K14G	B72510T0140K062
0805	Blister	180	3000	CT0805K17G	B72510T0170K062
0805	Blister	180	3000	CT0805K20G	B72510T0200K062
0805	Blister	180	3000	CT0805K25G	B72510T0250K062
0805	Blister	180	3000	CT0805K30G	B72510T0300K062
0805	Blister	180	3000	CT0805L8G	B72510T0080L062
0805	Blister	180	3000	CT0805M4G	B72510T0040M062
0805	Blister	180	3000	CT0805M6G	B72510T0060M062
1206	Blister	180	3000	CT1206K11G	B72520T0110K062
1206	Blister	180	3000	CT1206K14G	B72520T0140K062
1206	Blister	180	3000	CT1206K17G	B72520T0170K062
1206	Blister	180	3000	CT1206K20G	B72520T0200K062
1206	Blister	180	2000	CT1206K25G	B72520T0250K062
1206	Blister	180	2000	CT1206K30G	B72520T0300K062
1206	Blister	180	2000	CT1206K35G	B72520T0350K062
1206	Blister	180	2000	CT1206K40G	B72520T0400K062
1206	Blister	180	2000	CT1206K50G	B72520T0500K062
1206	Blister	180	2000	CT1206K60G	B72520T0600K062
1206	Blister	180	3000	CT1206L8G	B72520T0080L062
1206	Blister	180	3000	CT1206M4G	B72520T0040M062
1206	Blister	180	3000	CT1206M6G	B72520T0060M062
1210	Blister	180	3000	CT1210K11G	B72530T0110K062
1210	Blister	180	3000	CT1210K14G	B72530T0140K062
1210	Blister	180	3000	CT1210K17G	B72530T0170K062

Multilayer varistors (MLVs)
Standard series
SMD

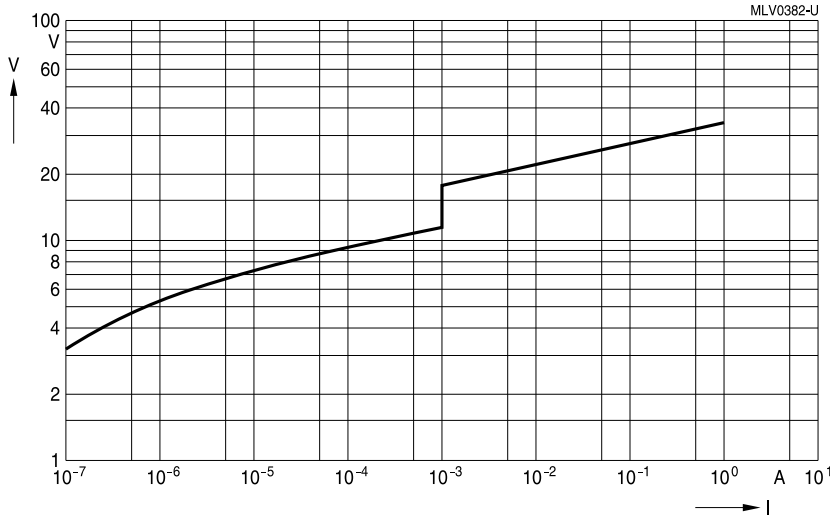
EIA case size	Taping	Reel size mm	Packing unit pcs.	Type	Ordering code
1210	Blister	180	3000	CT1210K20G	B72530T0200K062
1210	Blister	180	2000	CT1210K25G	B72530T0250K062
1210	Blister	180	2000	CT1210K30G	B72530T0300K062
1210	Blister	180	2000	CT1210K35G	B72530T0350K062
1210	Blister	180	2000	CT1210K40G	B72530T0400K062
1210	Blister	180	2000	CT1210K50G	B72530T0500K062
1210	Blister	180	2000	CT1210K60G	B72530T0600K062
1210	Blister	180	3000	CT1210L8G	B72530T0080L062
1210	Blister	180	3000	CT1210M4G	B72530T0040M062
1210	Blister	180	3000	CT1210M6G	B72530T0060M062
1812	Blister	180	1500	CN1812K11G	B72580V0110K062
1812	Blister	180	1500	CN1812K14G	B72580V0140K062
1812	Blister	180	1500	CN1812K14GK2	B72582V0140K062
1812	Blister	180	1500	CN1812K17G	B72580V0170K062
1812	Blister	180	1500	CN1812K20G	B72580V0200K062
1812	Blister	180	1000	CN1812K25G	B72580V0250K062
1812	Blister	180	1000	CN1812K30G	B72580V0300K062
1812	Blister	180	1000	CN1812K30GK2	B72582V0300K062
1812	Blister	180	1000	CN1812K35GK2	B72582V0350K062
1812	Blister	180	1500	CN1812L8G	B72580V0080L062
1812	Blister	180	1500	CN1812M4G	B72580V0040M062
1812	Blister	180	1500	CN1812M6G	B72580V0060M062
2220	Blister	180	1500	CN2220K11G	B72540V0110K062
2220	Blister	180	1500	CN2220K14G	B72540V0140K062
2220	Blister	180	1500	CN2220K17G	B72540V0170K062
2220	Blister	180	1500	CN2220K20G	B72540V0200K062
2220	Blister	180	1500	CN2220K20GK2	B72542V0200K062
2220	Blister	180	1000	CN2220K25G	B72540V0250K062
2220	Blister	180	1000	CN2220K25GK2	B72542V0250K062
2220	Blister	180	1000	CN2220K30G	B72540V0300K062
2220	Blister	180	1000	CN2220K30GK2	B72542V0300K062
2220	Blister	180	1000	CN2220K35GK2	B72542V0350K062
2220	Blister	180	1000	CN2220K40GK2	B72542V0400K062
2220	Blister	180	1500	CN2220L8G	B72540V0080L062
2220	Blister	180	1500	CN2220M4G	B72540V0040M062
2220	Blister	180	1500	CN2220M6G	B72540V0060M062

Multilayer varistors (MLVs)

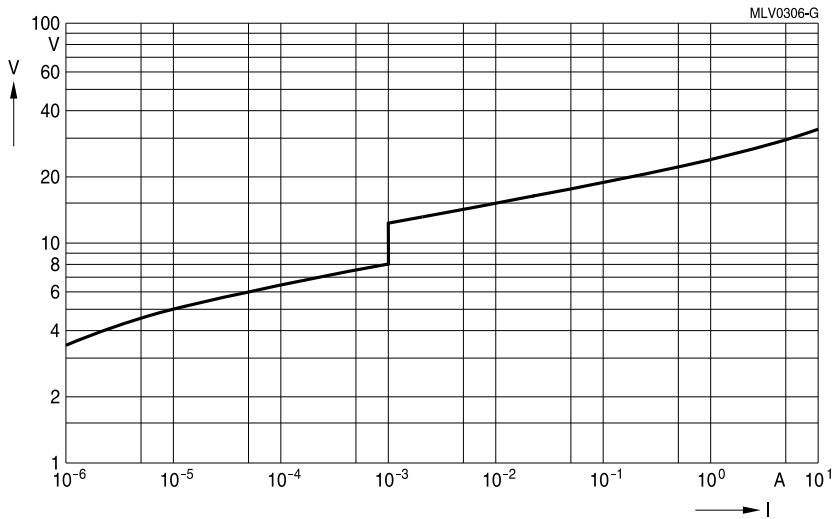
Standard series

SMD

V/I characteristics



CT0201S4AG



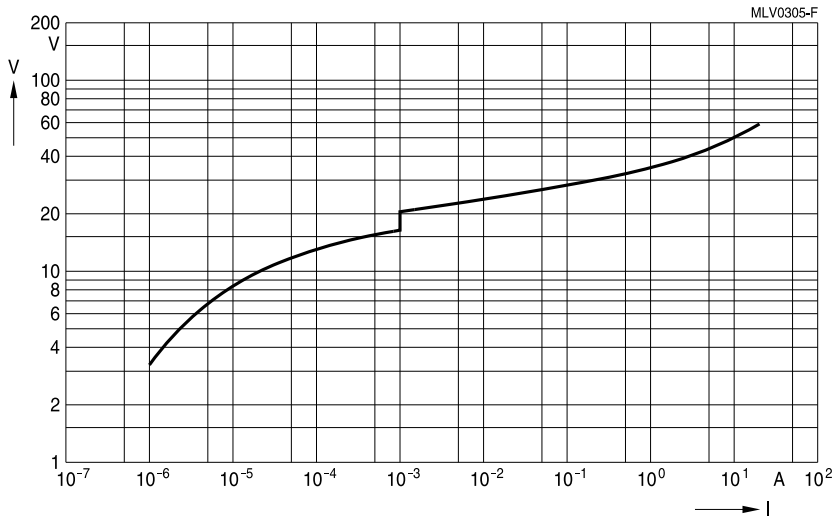
CT0402M4G

Multilayer varistors (MLVs)

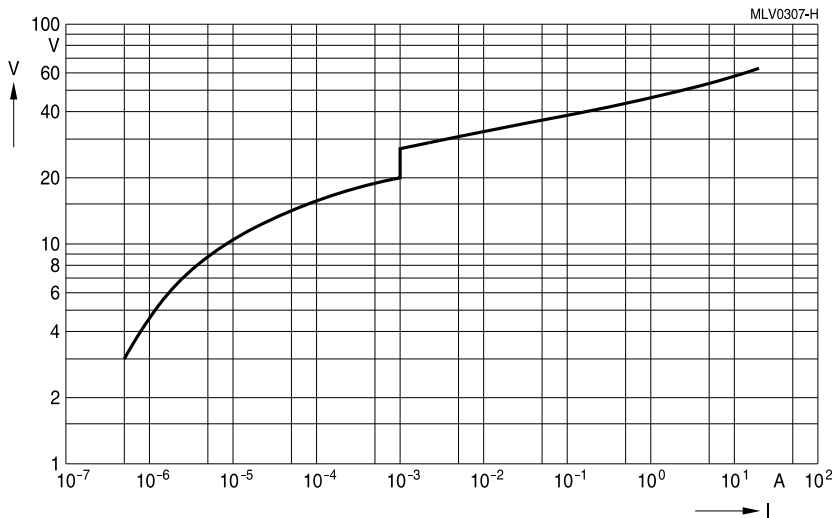
Standard series

SMD

V/I characteristics



CT0402S11AG



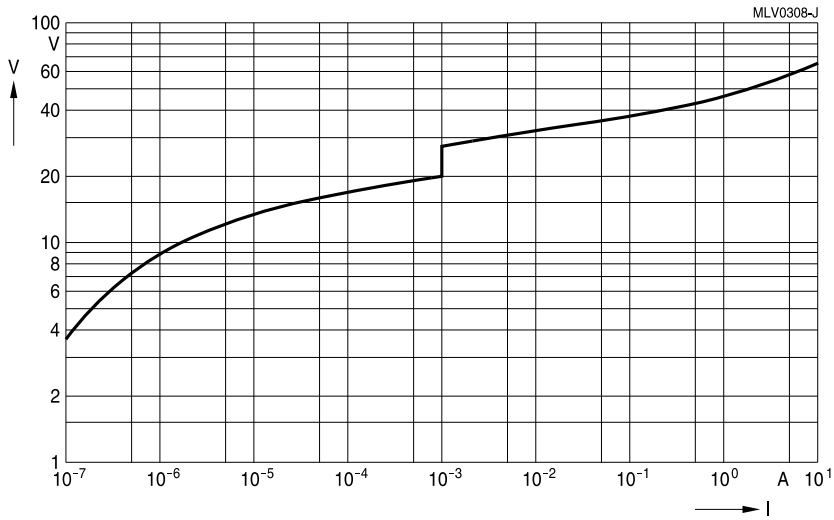
CT0402L14G

Multilayer varistors (MLVs)

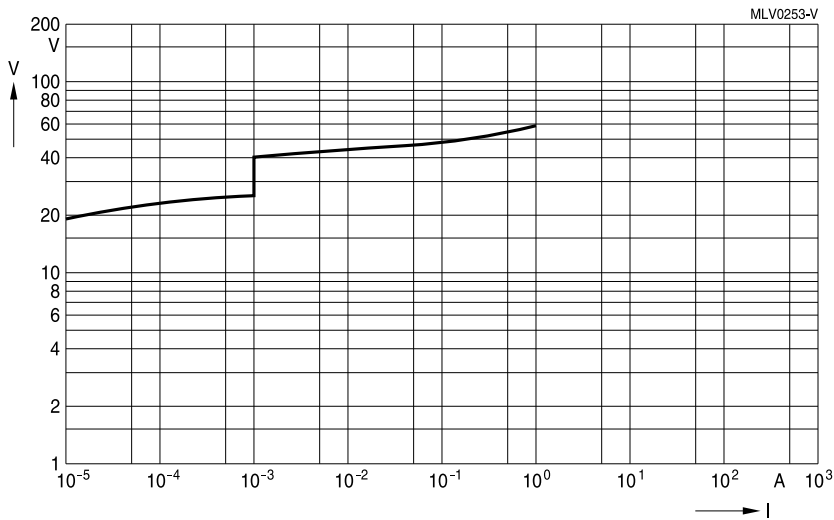
Standard series

SMD

V/I characteristics



CT0402L14UG



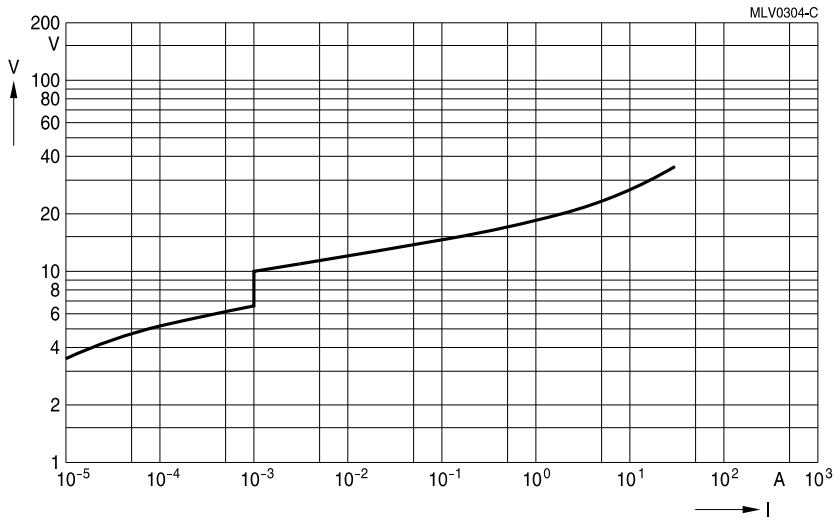
CT0402S17AG

Multilayer varistors (MLVs)

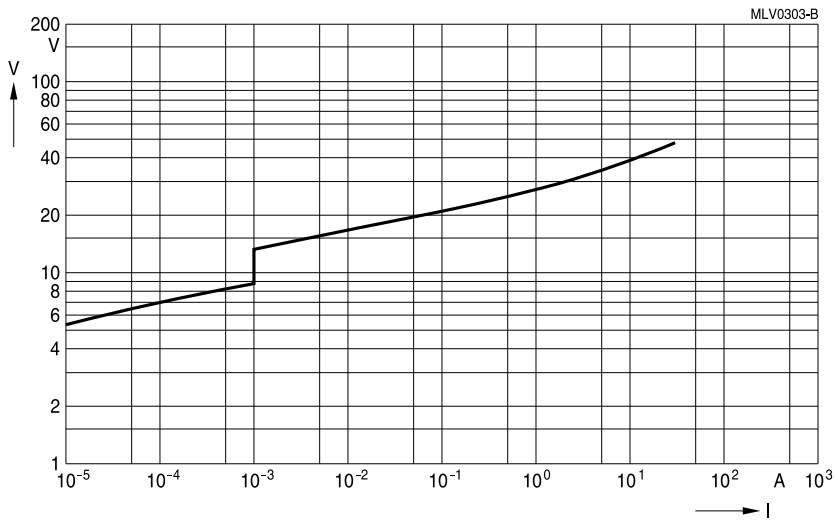
Standard series

SMD

V/I characteristics



CT0603M4G



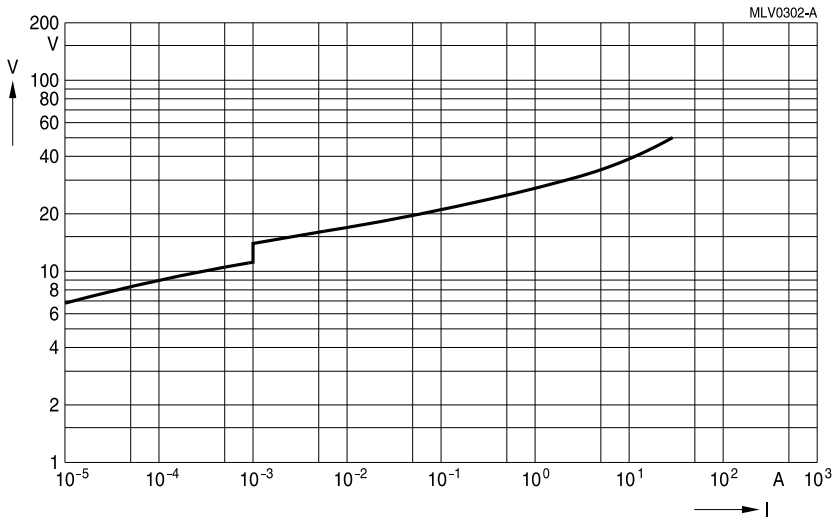
CT0603M6G

Multilayer varistors (MLVs)

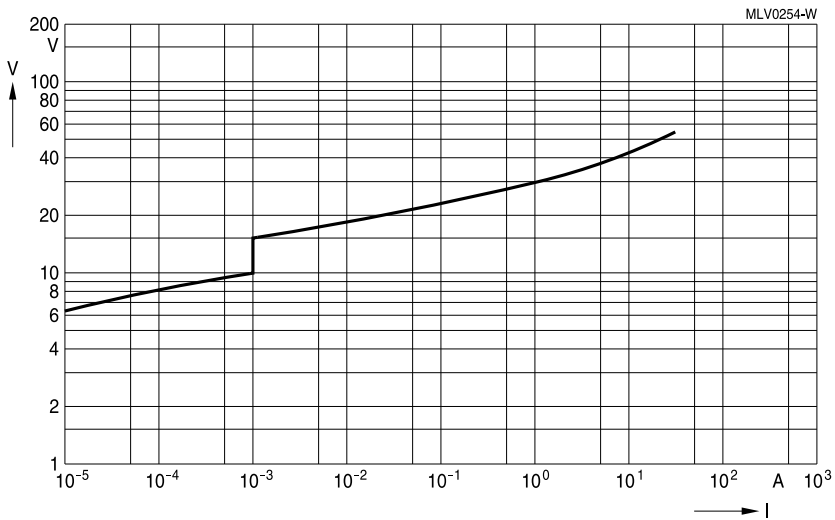
Standard series

SMD

V/I characteristics



CT0603K7G



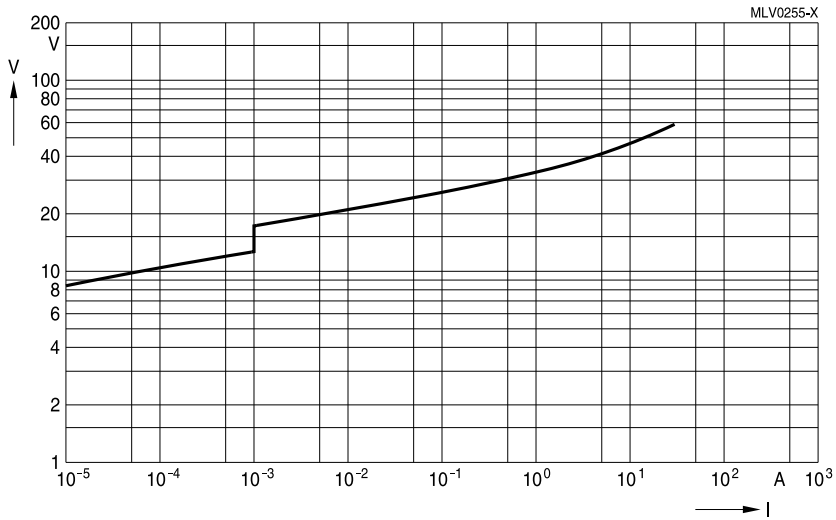
CT0603M7G

Multilayer varistors (MLVs)

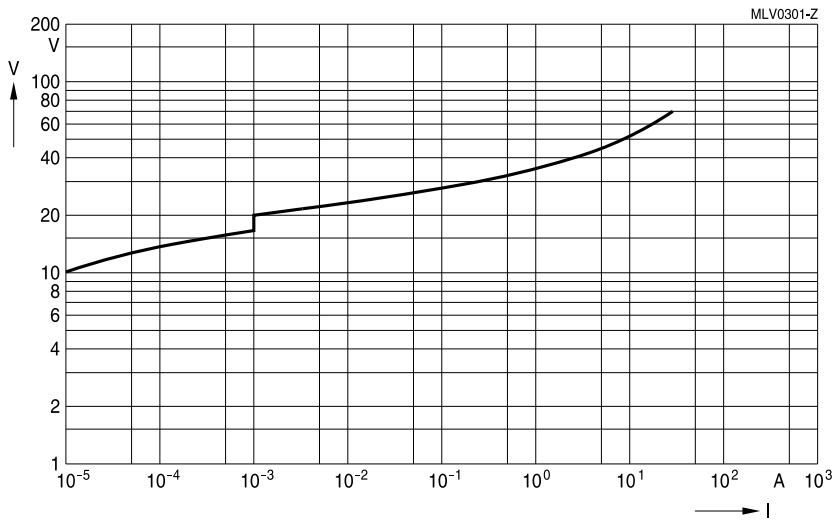
Standard series

SMD

V/I characteristics



CT0603L8G



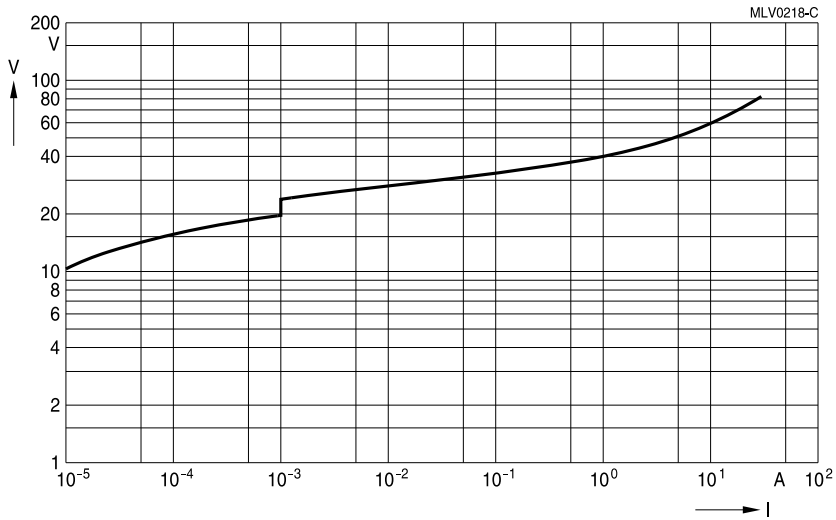
CT0603K11G

Multilayer varistors (MLVs)

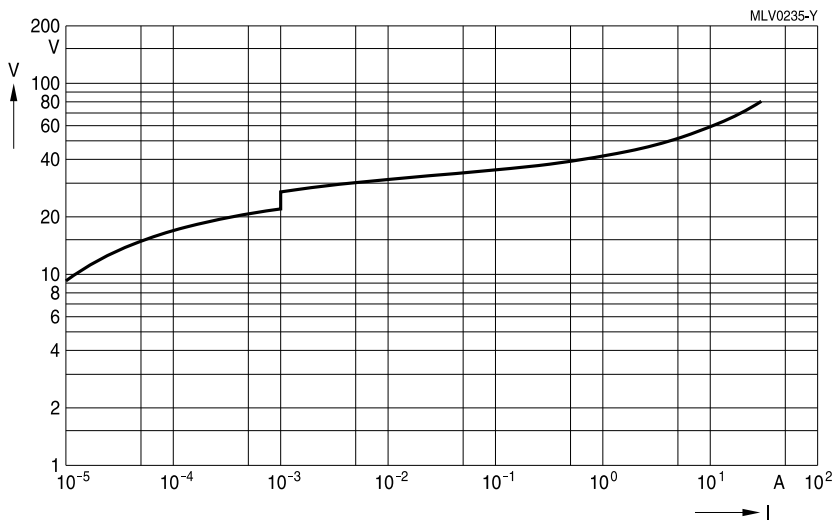
Standard series

SMD

V/I characteristics



CT0603K14G



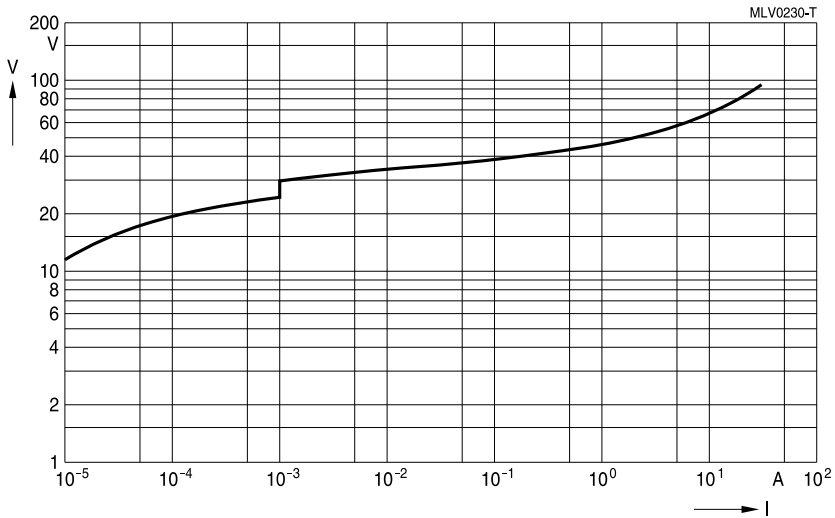
CT0603S14BG

Multilayer varistors (MLVs)

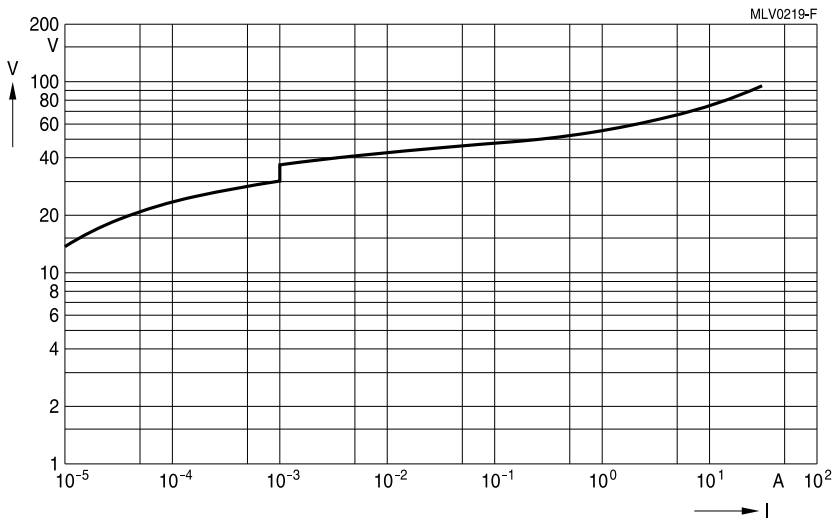
Standard series

SMD

V/I characteristics



CT0603K17G



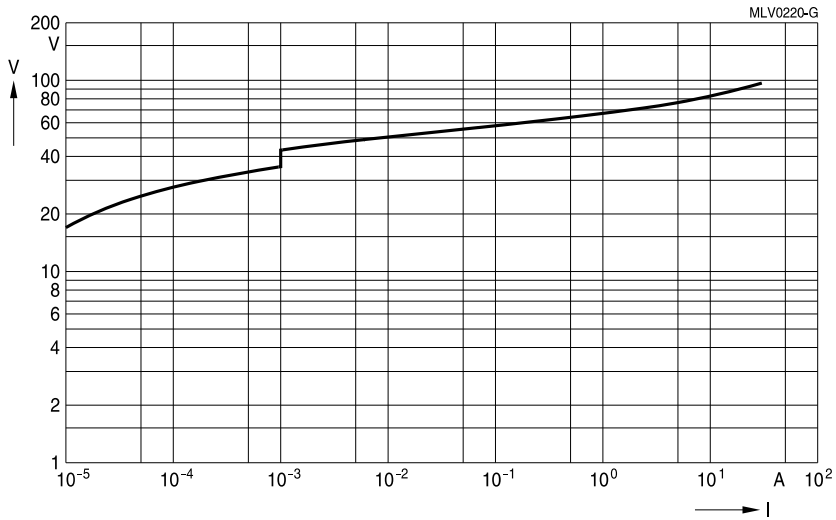
CT0603K20G

Multilayer varistors (MLVs)

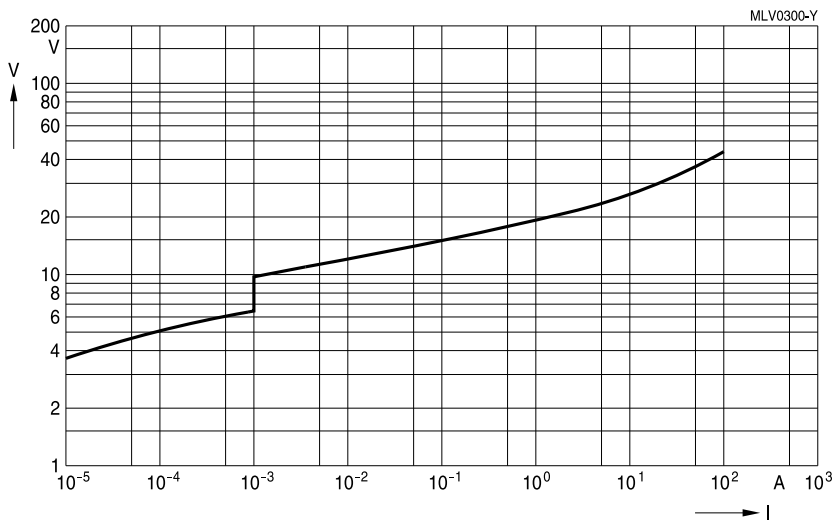
Standard series

SMD

V/I characteristics



CT0603K25G



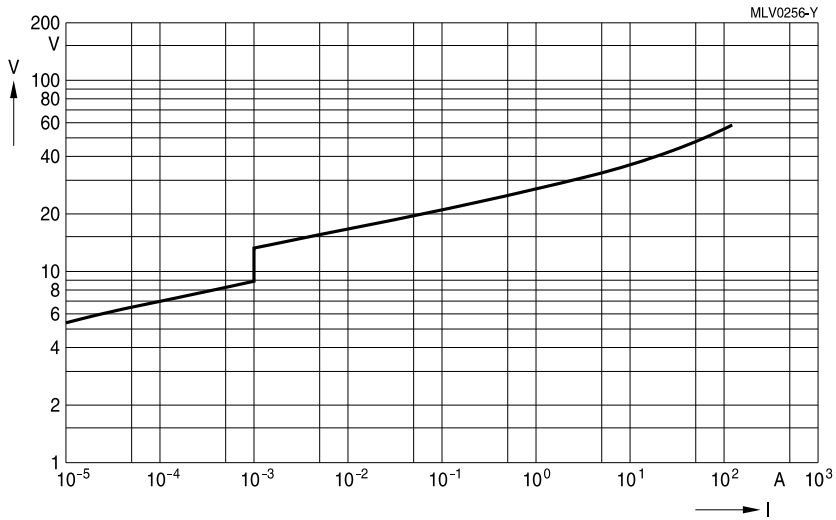
CT0805M4G

Multilayer varistors (MLVs)

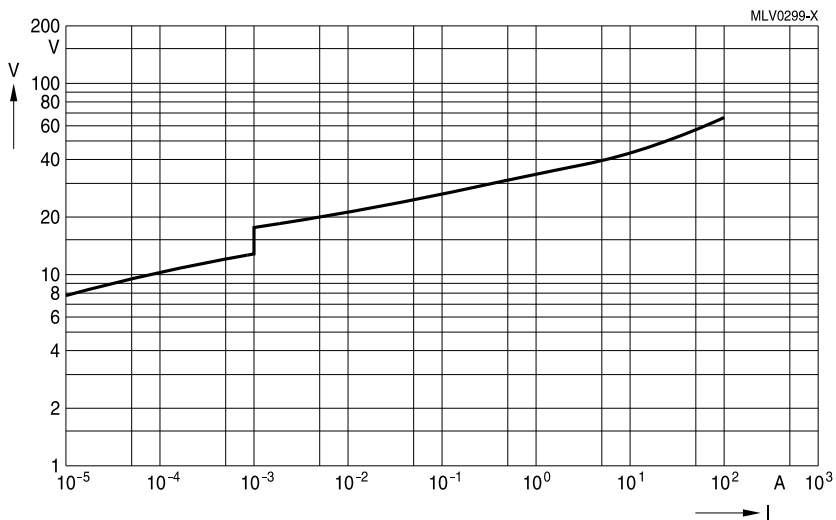
Standard series

SMD

V/I characteristics



CT0805M6G



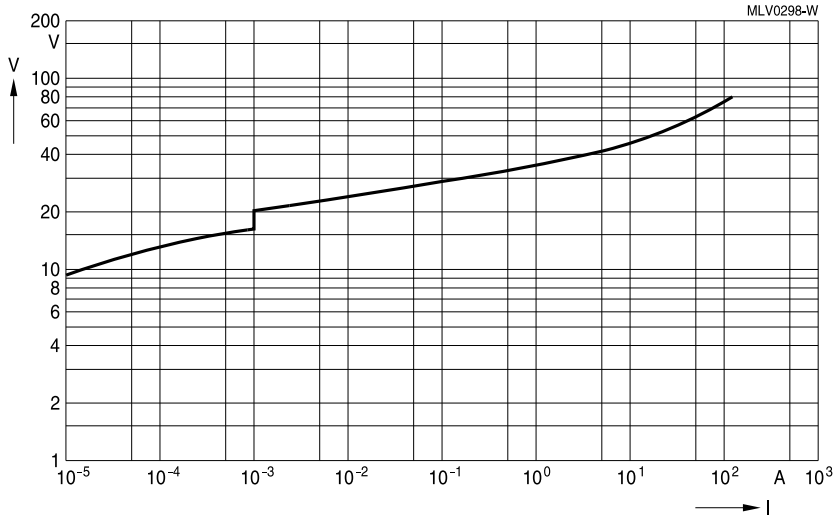
CT0805L8G

Multilayer varistors (MLVs)

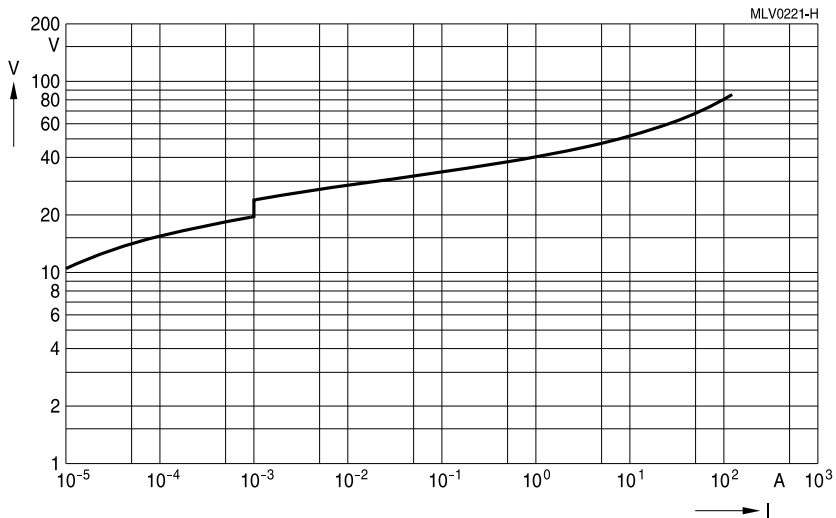
Standard series

SMD

V/I characteristics



CT0805K11G



CT0805K14G