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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Last order date: 31.10.2012



Disc Size: 7 mm

Disc Size: 14 mm

Disc Size: 25 mm

120 - 360 VAC · 800 - 13000 A · 5 - 25 mm



Description

- Radial Leaded Varistor
- Low leakage current
- VDE, UL, CSA approvals

Standards

- IEC 61051 - Varistors for Use in Electronic Equipment
- UL 1414 - Across-the-Line Components
- UL 1449 - Transient Voltage Surge Suppressors
- CSA C22.2 - Accessories and Parts for Electronic Equipment

Approvals

- VDE Certificate Number: 40026011
- UL File Number: E340137 (UL 1449), E325083 (UL 1414)
- CSA File Number: 2088244

Applications

- Surge protection
- Primary Protection Single-Phase
- Surge Protection according to IEC 61000-4-5

References

[Packaging Details](#)

Weblinks

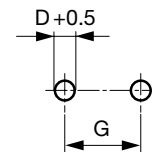
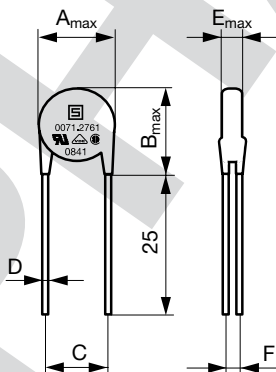
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	120 - 360 VAC, 160 - 470 VDC
Disc Size	5 - 25 mm
Peak Current 8/20 μ s, 1 Pulse	800 - 13000 A
Max. Energy Absorption	8 - 440 J
10/1000 μ s	
Current/Energy Derating above 85 °C	- 2.5% / °C
Voltage/Temperature Coefficient	- 0.05% / °C
Mounting	PCB, THT
Admissible Ambient Air Temp.	- 40 °C to 85 °C
Material: Terminals	Tin-Plated Copper Alloy
Material: Tube	Zinc Oxide
Storage Conditions	0 °C to 60 °C max. 70% r.h.
Product Marking	Order Number, Approvals, Data Code

Soldering Methods	Wave
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20 Test Ta, method 1
Resistance to Soldering Heat	260 °C / 5 sec acc. to IEC 60068-2-20, Test Tb, method 1A
Insulation Resistance	>10'000 M Ω
HiPot Encapsulation	2500 VDC
Impulse Response Time	< 50 ns
DC Leakage Current	< 200 μ A
Flammability	UL 94V-0

Dimensions



Drilling diagram

Dimensions

Rated Voltage	Disc size	A max	B max	C	D	E	F	G	Order Number
[VAC]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
120	5	7	8.5	5	0.6	3.6	1.5	5.2	0071.1211.xx
120	7	9	11	5	0.6	3.6	1.5	5.2	0071.1221.xx
120	10	12	14.5	7.5	0.8	4.2	1.6	7.7	0071.1241.xx
120	14	15.5	18.5	7.5	0.8	4.2	1.6	7.7	0071.1261.xx
120	20	21.5	25.5	10	1	4.6	1.8	10.2	0071.1281.xx
130	5	7	8.5	5	0.6	3.6	1.6	5.2	0071.1311.xx
130	7	9	11	5	0.6	3.6	1.6	5.2	0071.1321.xx
130	10	12	14.5	7.5	0.8	4.2	1.8	7.7	0071.1341.xx
130	14	15.5	18.5	7.5	0.8	4.2	1.9	7.7	0071.1361.xx
130	20	21.5	25.5	10	1	4.7	2	10.2	0071.1381.xx
130	25	27.9	31.8	10	1	4.7	2	10.2	0071.1391.xx
140	5	7	8.5	5	0.6	3.7	1.7	5.3	0071.1411.xx
140	7	9	11	5	0.6	3.7	1.7	5.3	0071.1421.xx
140	10	12	14.5	7.5	0.8	4.3	1.9	7.7	0071.1441.xx
140	14	15.5	18.5	7.5	0.8	4.3	2	7.8	0071.1461.xx
140	20	21.5	25.5	10	1	4.8	2.1	10.2	0071.1481.xx
140	25	27.9	31.8	10	1	4.8	2.1	10.2	0071.1491.xx
150	5	7	8.5	5	0.6	3.8	1.8	5.3	0071.1511.xx
150	7	9	11	5	0.6	3.8	1.8	5.3	0071.1521.xx
150	10	12	14.5	7.5	0.8	4.4	2	7.8	0071.1541.xx
150	14	15.5	18.5	7.5	0.8	4.4	2.1	7.8	0071.1561.xx
150	20	21.5	25.5	10	1	4.9	2.2	10.2	0071.1581.xx
150	25	27.9	31.8	10	1	4.9	2.2	10.2	0071.1591.xx
180	5	7	8.5	5	0.6	3.9	2	5.4	0071.1811.xx
180	7	9	11	5	0.6	4	2	5.4	0071.1821.xx
180	10	12	14.5	7.5	0.8	4.6	2.2	7.8	0071.1841.xx
180	14	15.5	18.5	7.5	0.8	4.6	2.2	7.8	0071.1861.xx
180	20	21.5	25.5	10	1	5	2.3	10.3	0071.1881.xx
230	5	7	8.5	5	0.6	4	1.8	5.3	0071.2311.xx
230	7	9	11	5	0.6	4	1.8	5.3	0071.2321.xx
230	10	12	14.5	7.5	0.8	4.7	2	7.8	0071.2341.xx
230	14	15.5	18.5	7.5	0.8	4.7	2	7.8	0071.2361.xx
230	20	21.5	25.5	10	1	5.1	2.1	10.2	0071.2381.xx
250	5	7	8.5	5	0.6	4.2	1.8	5.3	0071.2511.xx
250	7	9	11	5	0.6	4.2	1.8	5.3	0071.2521.xx
250	10	12	14.5	7.5	0.8	4.8	2	7.8	0071.2541.xx
250	14	15.5	18.5	7.5	0.8	4.8	2	7.8	0071.2561.xx
250	20	21.5	25.5	10	1	5.3	2.2	10.2	0071.2581.xx
250	25	27.9	31.8	10	1	5.3	2.2	10.2	0071.2591.xx
270	5	7	8.5	5	0.6	4.3	2	5.4	0071.2711.xx
270	7	9	11	5	0.6	4.4	2	5.4	0071.2721.xx
270	10	12	14.5	7.5	0.8	4.4	2.2	7.8	0071.2741.xx
270	14	15.5	18.5	7.5	0.8	5	2.2	7.8	0071.2761.xx
270	20	21.5	25.5	10	1	5.4	2.3	10.3	0071.2781.xx
270	25	27.9	31.8	10	1	5.4	2.3	10.3	0071.2791.xx
300	5	7	8.5	5	0.6	4.5	2.1	5.4	0071.3011.xx
300	7	9	11	5	0.6	4.5	2.1	5.4	0071.3021.xx
300	10	12	14.5	7.5	0.8	5.1	2.3	7.8	0071.3041.xx
300	14	15.5	18.5	7.5	0.8	5.2	2.3	7.8	0071.3061.xx
300	20	21.5	25.5	10	1	5.6	2.4	10.3	0071.3081.xx
300	25	27.9	31.8	10	1	5.6	2.4	10.3	0071.3091.xx
320	10	12	14.5	7.5	0.8	5.4	2.4	7.9	0071.3241.xx
320	14	15.5	18.5	7.5	0.8	5.4	2.4	7.9	0071.3261.xx
320	20	21.5	25.5	10	1	5.8	2.6	10.3	0071.3281.xx

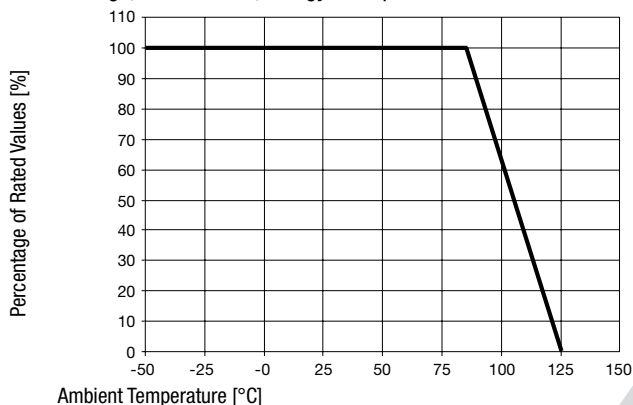
Rated Voltage	Disc size	A max	B max	C	D	E	F	G	Order Number
[VAC]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
320	25	27.9	31.8	10	1	5.8	2.6	10.3	0071.3291.xx
360	10	12	15	7.5	0.8	5.8	2.7	8.0	0071.3641.xx
360	14	15.5	19	7.5	0.8	5.9	2.7	8.0	0071.3661.xx
360	20	21.5	26	10	1	6.3	2.8	10.4	0071.3681.xx
360	25	27.9	31.8	10	1	6.3	2.8	10.4	0071.3691.xx

Electrical parameters can be found in the table of variants below.

Most Popular. Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>




Temperature Derating Curves

Rated Voltage, Peak Current, Energy Absorption



Variants

Rated Voltage	Rated Voltage	Disc size	Peak Current, 8/20 μs, 1 Pulse	Peak Current, 8/20 μs, 2 Pulses	Energy, 10/1000 μs	Min. Voltage @ 1 mA DC	Max. Voltage @ 1 mA DC	Max. Clamping Voltage	Peak Current, 8/20 μs, Clamping	Typ. Capacity @ 1 kHz	VDE	UL	SP	Order Number
[VAC]	[VDC]	[mm]	[A]	[A]	[J]	[V]	[V]	[V]	[A]	[pF]	1)	2)		
120	160	5	800	600	8	170	207	310	5	118	●			0071.1211.xx
120	160	7	1750	1250	16	170	207	320	10	225	●	●		0071.1221.xx
120	160	10	3500	2500	33	170	207	320	25	469	●	●		0071.1241.xx
120	160	14	6000	5000	52	170	207	320	50	1019	●	●		0071.1261.xx
120	160	20	10000	7000	130	170	207	320	100	2331	●	●		0071.1281.xx
130	175	5	800	600	8.5	184	224	350	5	116	●	●	●	0071.1311.xx
130	175	7	1750	1250	17.5	184	224	340	10	250	●	●	●	0071.1321.xx
130	175	10	3500	2500	45	184	224	340	25	438	●	●	●	0071.1341.xx
130	175	14	6500	5000	70	184	224	340	50	890	●	●	●	0071.1361.xx
130	175	20	12000	9000	150	184	224	340	100	2001	●	●	●	0071.1381.xx
130	175	25	18000	13000	170	184	224	340	100	3634	●	●	●	0071.1391.xx
140	180	5	800	600	9	198	242	380	5	111	●	●		0071.1411.xx
140	180	7	1750	1250	20	198	242	360	10	232	●	●	●	0071.1421.xx
140	180	10	3500	2500	50	198	242	360	25	407	●	●	●	0071.1441.xx
140	180	14	6500	5000	78	198	242	360	50	825	●	●	●	0071.1461.xx
140	180	20	12000	9000	160	198	242	360	100	1855	●	●	●	0071.1481.xx
140	180	25	18000	13000	180	198	242	360	100	3370	●		●	0071.1491.xx
150	200	5	800	600	10.5	212	259	430	5	101	●	●		0071.1511.xx
150	200	7	1750	1250	21	212	259	395	10	212	●	●	●	0071.1521.xx
150	200	10	3500	2500	55	212	259	395	25	373	●	●	●	0071.1541.xx
150	200	14	6500	5000	84	212	259	395	50	756	●	●	●	0071.1561.xx
150	200	20	12000	9000	170	212	259	395	100	1701	●	●	●	0071.1581.xx
150	200	25	18000	13000	190	212	259	395	100	3089	●		●	0071.1591.xx
180	230	5	800	600	11	255	311	510	5	87	●	●		0071.1811.xx
180	230	7	1750	1250	24	255	311	445	10	182	●	●	●	0071.1821.xx

Rated Voltage	Rated Voltage	Disc size	Peak Current, 8/20 μ s, 1 Pulse	Peak Current, 8/20 μ s, 2 Pulses	Energy, 10/1000 μ s	Min. Voltage @ 1 mA DC	Max. Voltage @ 1 mA DC	Max. Clamping Voltage	Peak Current, 8/20 μ s, Clamping	Typ. Capacity @ 1 kHz				Order Number
[VAC]	[VDC]	[mm]	[A]	[A]	[J]	[V]	[V]	[V]	[A]	[pF]	1)	2)		
180	230	10	3500	2500	60	255	311	465	25	319	●	●	●	0071.1841.xx
180	230	14	6000	5000	100	255	311	465	50	648	●	●	●	0071.1861.xx
180	230	20	10000	7000	190	255	311	465	100	1548	●	●	●	0071.1881.xx
230	300	5	800	600	16	326	397	595	5	68	●			0071.2311.xx
230	300	7	1750	1250	32	326	397	595	10	141	●	●	●	0071.2321.xx
230	300	10	3500	2500	65	326	397	595	25	248	●	●	●	0071.2341.xx
230	300	14	6000	4500	135	326	397	595	50	504	●	●	●	0071.2361.xx
230	300	20	10000	6500	270	326	397	595	100	1134	●	●	●	0071.2381.xx
250	330	5	800	600	17	354	432	675	5	62	●			0071.2511.xx
250	330	7	1750	1250	35	354	432	650	10	131	●	●	●	0071.2521.xx
250	330	10	3500	2500	70	354	432	650	25	229	●	●	●	0071.2541.xx
250	330	14	6000	4500	145	354	432	650	50	465	●	●	●	0071.2561.xx
250	330	20	10000	6500	300	354	432	650	100	1047	●	●	●	0071.2581.xx
250	330	25	13000	9000	315	354	432	650	100	1901	●		●	0071.2591.xx
270	360	5	800	600	20	382	466	740	5	58	●			0071.2711.xx
270	360	7	1750	1250	40	382	466	710	10	121	●	●	●	0071.2721.xx
270	360	10	3500	2500	80	382	466	710	25	213	●	●	●	0071.2741.xx
270	360	14	6000	4500	160	382	466	710	50	432	●	●	●	0071.2761.xx
270	360	20	10000	6500	325	382	466	710	100	972	●	●	●	0071.2781.xx
270	360	25	13000	9000	340	382	466	710	100	1765	●		●	0071.2791.xx
300	390	5	800	600	21	425	518	810	5	52	●			0071.3011.xx
300	390	7	1750	1250	42	425	518	790	10	108	●	●	●	0071.3021.xx
300	390	10	3500	2500	85	425	518	790	25	190	●	●	●	0071.3041.xx
300	390	14	6000	4500	175	425	518	790	50	386	●	●	●	0071.3061.xx
300	390	20	10000	6500	350	425	518	790	100	869	●	●	●	0071.3081.xx
300	390	25	13000	9000	360	425	518	790	100	1577	●		●	0071.3091.xx
320	420	10	3500	2500	92	453	553	850	25	179	●	●	●	0071.3241.xx
320	420	14	6000	4500	190	453	553	850	50	363	●	●	●	0071.3261.xx
320	420	20	10000	6500	385	453	553	850	100	816	●	●	●	0071.3281.xx
320	420	25	13000	9000	430	453	553	850	100	1483	●		●	0071.3291.xx
360	470	10	3500	2500	97	522	638	960	25	154	●	●	●	0071.3641.xx
360	470	14	6000	4500	205	522	638	960	50	313	●	●	●	0071.3661.xx
360	470	20	10000	6500	410	522	638	960	100	704	●	●	●	0071.3681.xx
360	470	25	13000	9000	440	522	638	960	100	1278	●		●	0071.3691.xx

1) UL 1449 - Transient Voltage Surge Suppressors - Component

2) UL 1414 - Across-the-line Capacitors, Antenna-coupling and Line-bypass Components

Most Popular. Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Packaging Unit

.xx = .B1 Plastic Bag (100 pcs.)

.xx = .T2 Tape&Reel:

120 - 300 VAC, 5 + 7 mm Disc Size 1500 pieces

120 - 180 VAC, 10 mm Disc Size 1000 pieces

230 - 300 VAC, 10 mm Disc Size 500 pieces

120 - 180 VAC, 14 mm Disc Size 1000 pieces

230 - 300 VAC, 14 mm Disc Size 500 pieces

120 - 180 VAC, 20 mm Disc Size 500 pieces

230 - 300 VAC, 20 mm Disc Size 400 pieces

.xx = .A2 Ammo Pack:

120 - 300 VAC, 5 + 7 mm Disc Size 1500 pieces

120 - 180 VAC, 10 mm Disc Size 1000 pieces

230 - 300 VAC, 10 mm Disc Size 500 pieces

120 - 180 VAC, 14 mm Disc Size 1000 pieces

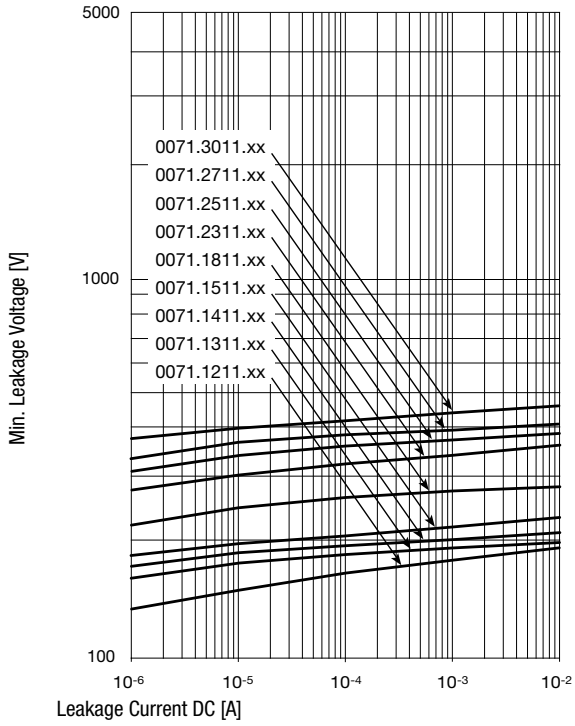
230 - 300 VAC, 14 mm Disc Size 500 pieces

120 - 180 VAC, 20 mm Disc Size 500 pieces

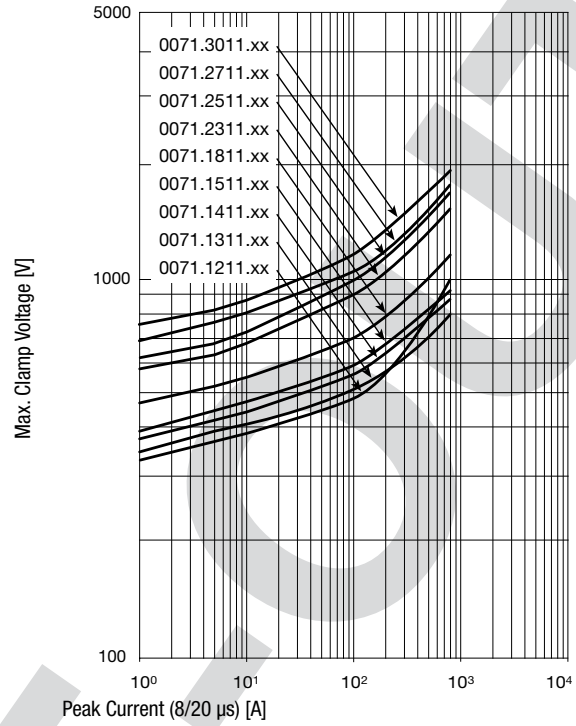
230 - 300 VAC, 20 mm Disc Size 400 pieces

Voltage-Current Curves

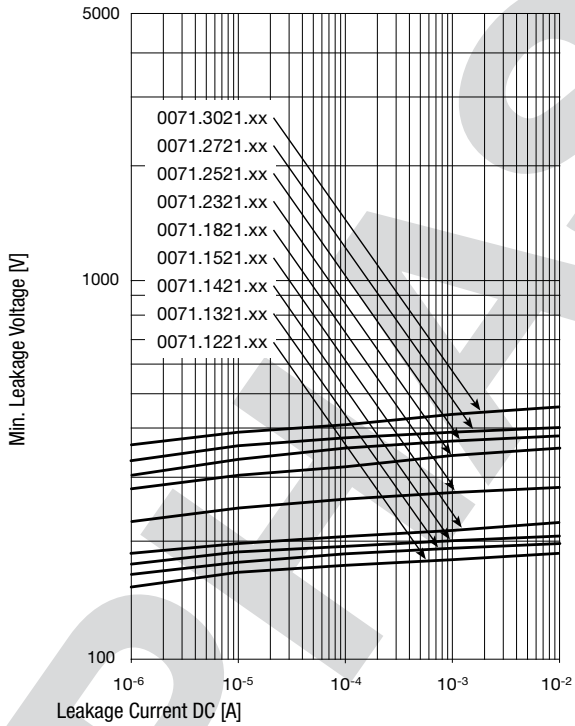
Disc Size: 5 mm Varistor



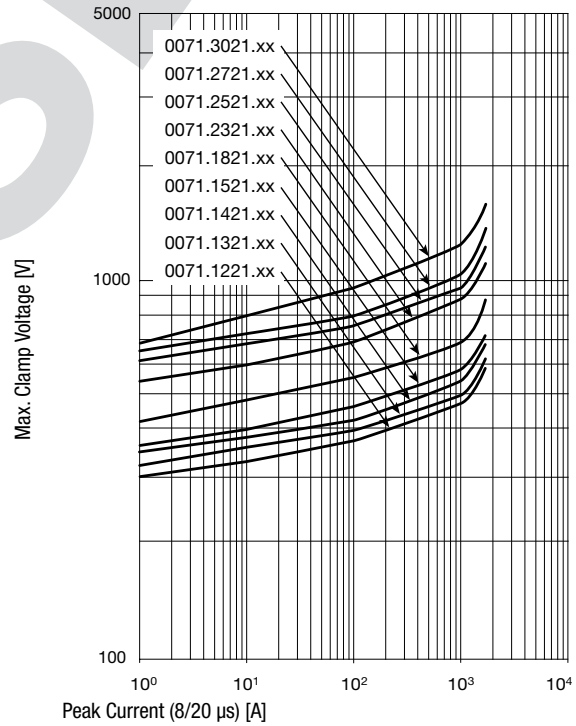
Disc Size: 5 mm Varistor



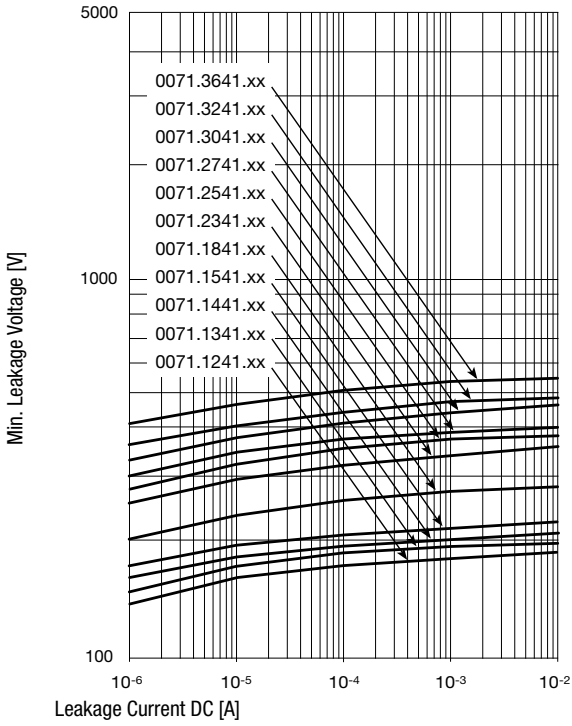
Disc Size: 7 mm



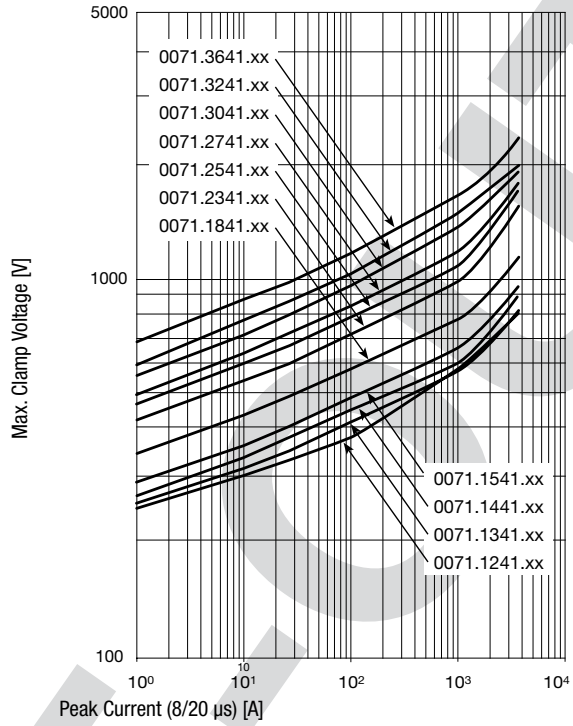
Disc Size: 7 mm



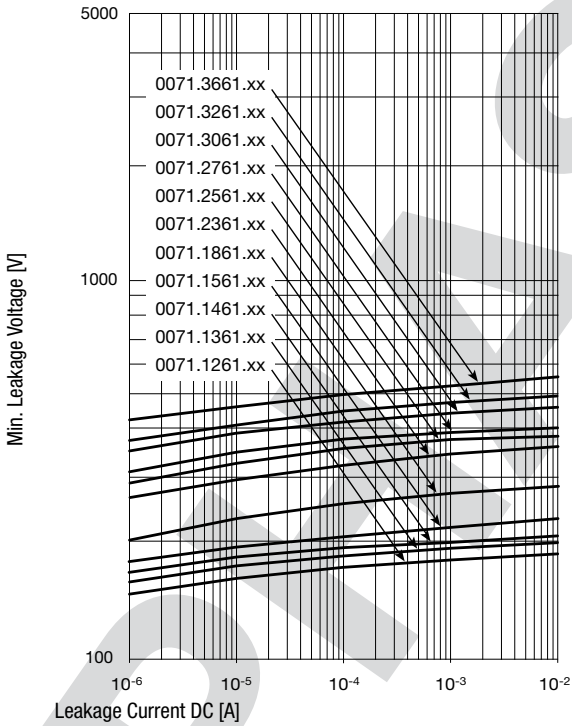
Disc Size: 10 mm



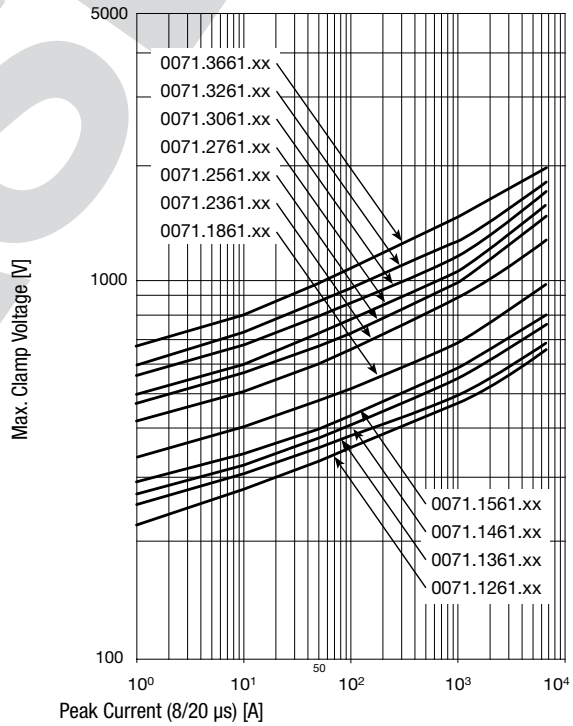
Disc Size: 10 mm



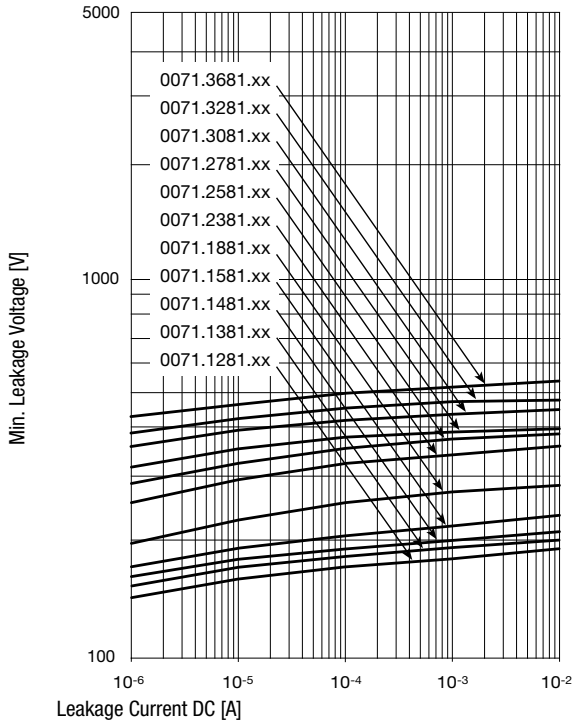
Disc Size: 14 mm



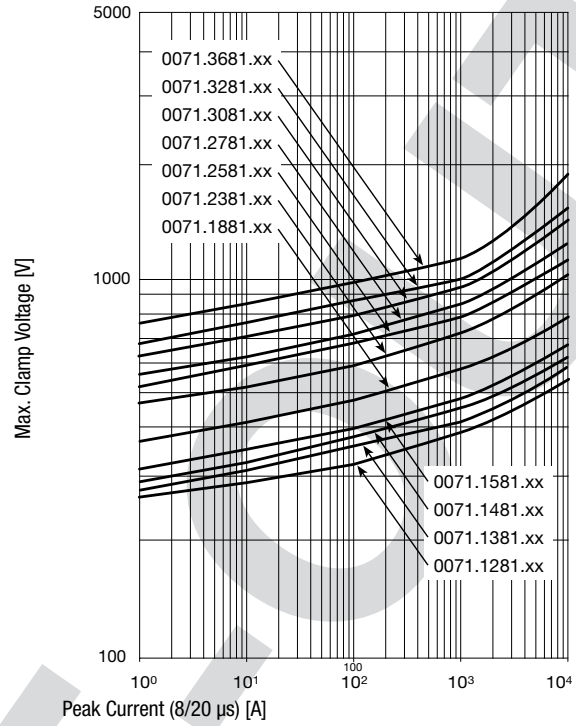
Disc Size: 14 mm



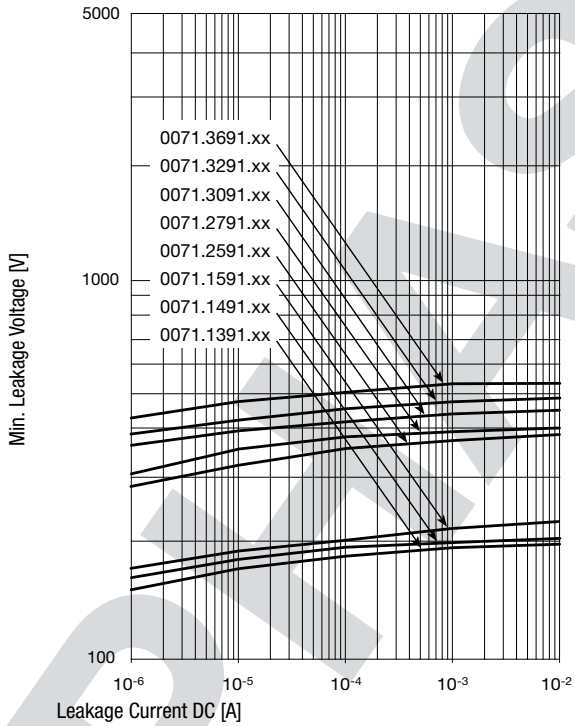
Disc Size: 20 mm



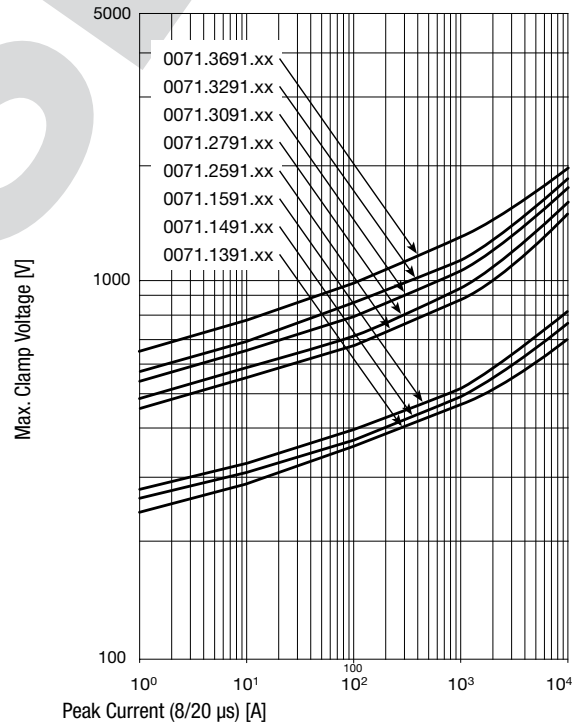
Disc Size: 20 mm Varistor



Disc Size: 25 mm



Disc Size: 25 mm



Pulse Derating Curves

Derating at Quantity of Pulses and Pulse Duration

1, 10, ... = Quantity of Pulses

