TIEDA

Chengdu Tieda Electronic Co., Ltd.

Add : No. 733, Gangda Road, Chengdu Modern Industrial North Park, Pixian, Chengdu, 611743, P.R.China

Tel : 86-028-67507115

Fax : 86-028-67507116

Web : http://www.tieda.net/

Email : sale@tieda.net

TIEDA

Metal Oxide VARISTORS

Chengdu Tieda Electronic Co., Ltd.

Data Book

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CORPORATE PROFILE

Chengdu Tieda Electronic Co., Ltd., founded in 2000, is the leading professional MOV/ZOV manufacturer in China, Vice director of Voltage Sensitive Division, Chinese Institute of Electronics, and officially recognized as the National High-Tech Enterprise.

TIEDA is located in Chengdu Modern Industrial North Park, covering an area of 15,000 m2 with more than 200 staffs. We currently have an annual capacity to produce 300,000,000 pcs of Zinc Oxide Varistor with a full range.

TIEDA has passed the ISO9001:2008 International Quality Management System. Our products have been certificated by UL&CUL, CQC, VDE and comply with the RoHS.

TIEDA adheres to sustaining technological innovation to create more value for the customers. Till 2016, 35 patents, including 7 invention patents, have been obtained. In 2011, the Explosion Proof Varistor got the National Key New Product Certificate.

TIEDA has established the long-term cooperation with lots of well-known enterprises, e.g., we established strategy partner relation with Gree Electric Appliances Inc. of Zhuhai, and are rated "The Excellent Supplier" by Jiangsu Linyang Energy Co., Ltd, the biggest manufacturer of energy meter in China.

With the advantage of excellent quality and complete service, TIEDA has established the good brand image and enjoys a high reputation in the customers. We look forward to being your trusted and reliable partner.

Universal Series Product

1 Features

- Wide operating voltage range: 18v~1800v (±10%)
- Fast responding to transient over-voltage (≤25ns)
- High surge current rating up to 20KA
- High energy rating up to 1700J
- Low clamping ratio and no follow-on current
- Symmetric V-I characteristics, applied to AC as well as DC circuits.
- Approvals: CQC VDE UL&cUL
- ROhS and REACH compliant

2 Recommended Applications

- Transistor, diode, IC, thyristor or triac semiconductor protection
- Surge protection in consumer electronic equipment
- Surge protection in communication, measuring, or controller electronics
- Surge protection in electronic home appliance, gas or petroleum appliance
- Relay or electromagnetic valve surge absorption

3 Terms and Description

- **Varistor**
  A varistor is an electronic component with an electrical resistance that varies with the applied voltage. It has a nonlinear, non-ohmic current–voltage characteristic. At low voltage it has a high electrical resistance which decreases as the voltage is raised.

- **Varistor voltage (V_{1mA})**
  The varistor voltage is the voltage drop across the varistor when 1mA DC is applied to the device. It has no particular electro-physical significance but is often used as a practical standard reference in specifying varistors.

- **Max allowable voltage**
  The maximum voltage of ACrms or DC which can be applied continuously on the varistor within the specified environmental temperature range.

- **Leakage current (I_L)**
  The Current with maximum continuously DC voltage under 25℃ temperature.

- **Clamping voltage (V_C)**
  The maximum voltage between two terminations with the specified standard 8/20us pulse current applied.

- **Maximum peak current (I_{max})**
  The allowable maximum current to go through when a specific number of pulses are applied within the varistor voltage change ±10%.

- **Maximum energy (W_{max})**
  The energy within the varistor voltage change ±10% when one pulse of 2ms or 10/1000us is applied.

- **Rated power (P)**
  The power that can be applied in the specific ambient temperature.

- **Reference Capacitance (C_P)**
  The capacitance which is measured at 1KHz, 1Vrms max (1MHz below 100pF).

4 Part Numbering System

Naming Pattern 1

M Y N □ □—□ □ □ □ □

(1) (2) (3) (4) (5) (6)

e.g. M Y N 2 3—6 8 1 K □/S

Seq.	Item	Description
(1)	MY	For TIEDA Varistor
(2)	N	N series
(3)	□□	Nominal diameter of component (mm)
(4)	□□□	Nominal Varistor Voltage. The first two digits are significant figures and the third one denotes the number of zeros following, e.g., 681 represents68×10¹=680V.
(5)	□	Tolerance of Varistor Voltage: J=±5% K=±10%
(6)	□	Null: regular-size product S: small-size product

Naming Pattern 2

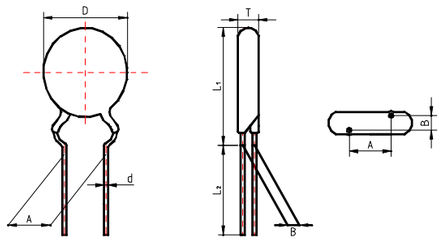
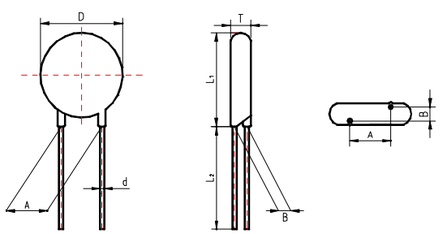
□ □ □ A C—□ □ □ □

(1) (2) (3) (4) (5)

e.g. 2 0 K A C 4 2 0 □/S

Seq.	Item	Description
(1)	□□	Rated Diameter of Varistor Disk
(2)	□	Tolerance of Varistor Voltage: J=±5% K=±10%
(3)	AC	Alternating Voltage
(4)	□□□	Max. AC operating voltage (ACrms)
(5)	□	Null: normal-size product S: small-size product

5 Product Dimension

Crimp Lead	Straight Lead
	

◇ MYN7 Series Dimension

Part No.		Rated Diameter of Varistor Disk	Dimensions of Component (mm)						
		±20%(mm)	D_{max}	T_{max}	L_{1max}	L_{2max}	A±1.0	B±1.0	d±0.1
MYN 7-180K	05KAC11	5.0	7.0	3.5	10.0	25.0	5.0	1.2	0.6
MYN 7-220K	05KAC14	5.0	7.0	3.6	10.0	25.0	5.0	1.2	0.6
MYN 7-270K	05KAC17	5.0	7.0	3.7	10.0	25.0	5.0	1.3	0.6
MYN 7-330K	05KAC20	5.0	7.0	3.8	10.0	25.0	5.0	1.4	0.6
MYN 7-390K	05KAC25	5.0	7.0	4.0	10.0	25.0	5.0	1.5	0.6
MYN 7-470K	05KAC30	5.0	7.0	4.2	10.0	25.0	5.0	1.6	0.6
MYN 7-560K	05KAC35	5.0	7.0	4.4	10.0	25.0	5.0	1.8	0.6
MYN 7-680K	05KAC40	5.0	7.0	4.7	10.0	25.0	5.0	2.0	0.6
MYN 7-820K	05KAC50	5.0	7.0	3.7	10.0	25.0	5.0	1.3	0.6
MYN 7-101K	05KAC60	5.0	7.0	3.8	10.0	25.0	5.0	1.4	0.6
MYN 7-121K	05KAC75	5.0	7.0	4.0	10.0	25.0	5.0	1.5	0.6
MYN 7-151K	05KAC95	5.0	7.0	4.3	10.0	25.0	5.0	1.7	0.6
MYN 7-201K	05KAC130	5.0	7.0	4.1	10.0	25.0	5.0	1.6	0.6
MYN 7-221K	05KAC140	5.0	7.0	4.2	10.0	25.0	5.0	1.7	0.6
MYN 7-241K	05KAC150	5.0	7.0	4.4	10.0	25.0	5.0	1.7	0.6
MYN 7-271K	05KAC175	5.0	7.0	4.5	10.0	25.0	5.0	1.8	0.6
MYN 7-331K	05KAC210	5.0	7.0	4.9	10.0	25.0	5.0	2.1	0.6
MYN 7-361K	05KAC230	5.0	7.0	5.0	10.0	25.0	5.0	2.2	0.6
MYN 7-391K	05KAC250	5.0	7.0	5.2	10.0	25.0	5.0	2.3	0.6
MYN 7-431K	05KAC275	5.0	7.0	5.4	10.0	25.0	5.0	2.4	0.6
MYN 7-471K	05KAC300	5.0	7.0	5.6	10.0	25.0	5.0	2.6	0.6

◇ MYN9 Series Dimension

Part No.		Rated Diameter of Varistor Disk	Dimensions of Component (mm)						
		±20%(mm)	Dmax	Tmax	L1max	L2max	A±1.0	B±1.0	d±0.1
MYN 9-180K	07KAC11	7.0	9.0	3.5	13.0	25.0	5.0	1.2	0.6
MYN 9-220K	07KAC14	7.0	9.0	3.6	13.0	25.0	5.0	1.2	0.6
MYN 9-270K	07KAC17	7.0	9.0	3.7	13.0	25.0	5.0	1.3	0.6
MYN 9-330K	07KAC20	7.0	9.0	3.8	13.0	25.0	5.0	1.4	0.6
MYN 9-390K	07KAC25	7.0	9.0	4.0	13.0	25.0	5.0	1.5	0.6
MYN 9-470K	07KAC30	7.0	9.0	4.2	13.0	25.0	5.0	1.6	0.6
MYN 9-560K	07KAC35	7.0	9.0	4.4	13.0	25.0	5.0	1.8	0.6
MYN 9-680K	07KAC40	7.0	9.0	4.7	13.0	25.0	5.0	2.0	0.6
MYN 9-820K	07KAC50	7.0	9.0	3.7	13.0	25.0	5.0	1.3	0.6
MYN 9-101K	07KAC60	7.0	9.0	3.8	13.0	25.0	5.0	1.4	0.6
MYN 9-121K	07KAC75	7.0	9.0	4.0	13.0	25.0	5.0	1.5	0.6
MYN 9-151K	07KAC95	7.0	9.0	4.3	13.0	25.0	5.0	1.7	0.6
MYN 9-201K	07KAC130	7.0	9.0	4.1	13.0	25.0	5.0	1.6	0.6
MYN 9-221K	07KAC140	7.0	9.0	4.2	13.0	25.0	5.0	1.7	0.6
MYN 9-241K	07KAC150	7.0	9.0	4.4	13.0	25.0	5.0	1.7	0.6
MYN 9-271K	07KAC175	7.0	9.0	4.5	13.0	25.0	5.0	1.8	0.6
MYN 9-331K	07KAC210	7.0	9.0	4.9	13.0	25.0	5.0	2.1	0.6
MYN 9-361K	07KAC230	7.0	9.0	5.0	13.0	25.0	5.0	2.2	0.6
MYN 9-391K	07KAC250	7.0	9.0	5.2	13.0	25.0	5.0	2.3	0.6
MYN 9-431K	07KAC275	7.0	9.0	5.4	13.0	25.0	5.0	2.4	0.6
MYN 9-471K	07KAC300	7.0	9.0	5.6	13.0	25.0	5.0	2.6	0.6
MYN 9-511K	07KAC320	7.0	9.0	5.9	13.0	25.0	5.0	2.7	0.6
MYN 9-561K	07KAC350	7.0	9.0	6.2	13.0	25.0	5.0	2.9	0.6

◇ MYN12 Series Dimension

Part No.		Rated Diameter of Varistor Disk	Dimensions of Component (mm)						
		±20%(mm)	Dmax	Tmax	L1max	L2max	A±1.0	B±1.0	d±0.1
MYN 12-180K	10KAC11	10.0	12.2	3.9	16.0	25.0	7.5	1.4	0.8
MYN 12-220K	10KAC14	10.0	12.2	4.0	16.0	25.0	7.5	1.4	0.8
MYN 12-270K	10KAC17	10.0	12.2	4.1	16.0	25.0	7.5	1.5	0.8
MYN 12-330K	10KAC20	10.0	12.2	4.2	16.0	25.0	7.5	1.6	0.8
MYN 12-390K	10KAC25	10.0	12.2	4.4	16.0	25.0	7.5	1.7	0.8
MYN 12-470K	10KAC30	10.0	12.2	4.6	16.0	25.0	7.5	1.8	0.8
MYN 12-560K	10KAC35	10.0	12.2	4.8	16.0	25.0	7.5	2.0	0.8
MYN 12-680K	10KAC40	10.0	12.2	5.1	16.0	25.0	7.5	2.2	0.8
MYN 12-820K	10KAC50	10.0	12.2	4.1	16.0	25.0	7.5	1.5	0.8
MYN 12-101K	10KAC60	10.0	12.2	4.2	16.0	25.0	7.5	1.6	0.8
MYN 12-121K	10KAC75	10.0	12.2	4.4	16.0	25.0	7.5	1.7	0.8
MYN 12-151K	10KAC95	10.0	12.2	4.7	16.0	25.0	7.5	1.9	0.8
MYN 12-201K	10KAC130	10.0	12.2	4.5	16.0	25.0	7.5	1.8	0.8
MYN 12-221K	10KAC140	10.0	12.2	4.6	16.0	25.0	7.5	1.9	0.8
MYN 12-241K	10KAC150	10.0	12.2	4.8	16.0	25.0	7.5	1.9	0.8
MYN 12-271K	10KAC175	10.0	12.2	4.9	16.0	25.0	7.5	2.0	0.8
MYN 12-331K	10KAC210	10.0	12.2	5.3	16.0	25.0	7.5	2.3	0.8
MYN 12-361K	10KAC230	10.0	12.2	5.4	16.0	25.0	7.5	2.4	0.8
MYN 12-391K	10KAC250	10.0	12.2	5.6	16.0	25.0	7.5	2.5	0.8
MYN 12-431K	10KAC275	10.0	12.2	5.8	16.0	25.0	7.5	2.6	0.8
MYN 12-471K	10KAC300	10.0	12.2	6.0	16.0	25.0	7.5	2.8	0.8
MYN 12-511K	10KAC320	10.0	12.2	6.3	16.0	25.0	7.5	2.9	0.8
MYN 12-561K	10KAC350	10.0	12.2	6.6	16.0	25.0	7.5	3.1	0.8
MYN 12-621K	10KAC385	10.0	13.5	6.9	18.0	25.0	7.5	3.3	0.8
MYN 12-681K	10KAC420	10.0	13.5	7.2	18.0	25.0	7.5	3.5	0.8
MYN 12-751K	10KAC460	10.0	13.5	7.6	18.0	25.0	7.5	3.7	0.8
MYN 12-781K	10KAC485	10.0	13.5	7.8	18.0	25.0	7.5	3.8	0.8
MYN 12-821K	10KAC510	10.0	13.5	8.0	18.0	25.0	7.5	4.0	0.8
MYN 12-911K	10KAC550	10.0	13.5	8.5	18.0	25.0	7.5	4.3	0.8
MYN 12-102K	10KAC625	10.0	13.5	9.0	18.0	25.0	7.5	4.6	0.8
MYN 12-112K	10KAC680	10.0	13.5	9.6	18.0	25.0	7.5	5.0	0.8
MYN 12-182K	10KAC1000	10.0	13.5	13.6	18.0	25.0	7.5	7.4	0.8

◇ MYN15 Series Dimension

Part No.		Rated Diameter of Varistor Disk	Dimensions of Component (mm)						
		±20%(mm)	Dmax	Tmax	L1max	L2max	A±1.0	B±1.0	d±0.1
MYN 15-180K	14KAC11	14.0	15.5	3.9	19.0	25.0	7.5	1.4	0.8
MYN 15-220K	14KAC14	14.0	15.5	4.0	19.0	25.0	7.5	1.4	0.8
MYN 15-270K	14KAC17	14.0	15.5	4.1	19.0	25.0	7.5	1.5	0.8
MYN 15-330K	14KAC20	14.0	15.5	4.2	19.0	25.0	7.5	1.6	0.8
MYN 15-390K	14KAC25	14.0	15.5	4.4	19.0	25.0	7.5	1.7	0.8
MYN 15-470K	14KAC30	14.0	15.5	4.6	19.0	25.0	7.5	1.8	0.8
MYN 15-560K	14KAC35	14.0	15.5	4.8	19.0	25.0	7.5	2.0	0.8
MYN 15-680K	14KAC40	14.0	15.5	5.1	19.0	25.0	7.5	2.2	0.8
MYN 15-820K	14KAC50	14.0	15.5	4.1	19.0	25.0	7.5	1.5	0.8
MYN 15-101K	14KAC60	14.0	15.5	4.2	19.0	25.0	7.5	1.6	0.8
MYN 15-121K	14KAC75	14.0	15.5	4.4	19.0	25.0	7.5	1.7	0.8
MYN 15-151K	14KAC95	14.0	15.5	4.7	19.0	25.0	7.5	1.9	0.8
MYN 15-201K	14KAC130	14.0	15.5	4.5	19.0	25.0	7.5	1.8	0.8
MYN 15-221K	14KAC140	14.0	15.5	4.6	19.0	25.0	7.5	1.9	0.8
MYN 15-241K	14KAC150	14.0	15.5	4.8	19.0	25.0	7.5	1.9	0.8
MYN 15-271K	14KAC175	14.0	15.5	4.9	19.0	25.0	7.5	2.0	0.8
MYN 15-331K	14KAC210	14.0	15.5	5.3	19.0	25.0	7.5	2.3	0.8
MYN 15-361K	14KAC230	14.0	15.5	5.4	19.0	25.0	7.5	2.4	0.8
MYN 15-391K	14KAC250	14.0	15.5	5.6	19.0	25.0	7.5	2.5	0.8
MYN 15-431K	14KAC275	14.0	15.5	5.8	19.0	25.0	7.5	2.6	0.8
MYN 15-471K	14KAC300	14.0	15.5	6.0	19.0	25.0	7.5	2.8	0.8
MYN 15-511K	14KAC320	14.0	15.5	6.3	19.0	25.0	7.5	2.9	0.8
MYN 15-561K	14KAC350	14.0	15.5	6.6	19.0	25.0	7.5	3.1	0.8
MYN 15-621K	14KAC385	14.0	17.0	6.9	21.0	25.0	7.5	3.3	0.8
MYN 15-681K	14KAC420	14.0	17.0	7.2	21.0	25.0	7.5	3.5	0.8
MYN 15-751K	14KAC460	14.0	17.0	7.6	21.0	25.0	7.5	3.7	0.8
MYN 15-781K	14KAC485	14.0	17.0	7.8	21.0	25.0	7.5	3.8	0.8
MYN 15-821K	14KAC510	14.0	17.0	8.0	21.0	25.0	7.5	4.0	0.8
MYN 15-911K	14KAC550	14.0	17.0	8.5	21.0	25.0	7.5	4.3	0.8
MYN 15-102K	14KAC625	14.0	17.0	9.0	21.0	25.0	7.5	4.6	0.8
MYN 15-112K	14KAC680	14.0	17.0	9.6	21.0	25.0	7.5	5.0	0.8
MYN 15-182K	14KAC1000	14.0	17.0	13.6	21.0	25.0	7.5	7.4	0.8

◇ MYN23 Series Dimension

Part No.		Rated Diameter of Varistor Disk	Dimensions of Component (mm)						
		±20%(mm)	Dmax	Tmax	L1max	L2max	A±1.0	B±1.0	d±0.1
MYN 23-180K	20KAC11	20.0	23.0	4.3	25.0	25.0	10.0	1.6	1.0
MYN 23-220K	20KAC14	20.0	23.0	4.4	25.0	25.0	10.0	1.6	1.0
MYN 23-270K	20KAC17	20.0	23.0	4.5	25.0	25.0	10.0	1.7	1.0
MYN 23-330K	20KAC20	20.0	23.0	4.6	25.0	25.0	10.0	1.8	1.0
MYN 23-390K	20KAC25	20.0	23.0	4.8	25.0	25.0	10.0	1.9	1.0
MYN 23-470K	20KAC30	20.0	23.0	5.0	25.0	25.0	10.0	2.0	1.0
MYN 23-560K	20KAC35	20.0	23.0	5.2	25.0	25.0	10.0	2.2	1.0
MYN 23-680K	20KAC40	20.0	23.0	5.5	25.0	25.0	10.0	2.4	1.0
MYN 23-820K	20KAC50	20.0	23.0	4.5	25.0	25.0	10.0	1.7	1.0
MYN 23-101K	20KAC60	20.0	23.0	4.6	25.0	25.0	10.0	1.8	1.0
MYN 23-121K	20KAC75	20.0	23.0	4.8	25.0	25.0	10.0	1.9	1.0
MYN 23-151K	20KAC95	20.0	23.0	5.1	25.0	25.0	10.0	2.1	1.0
MYN 23-201K	20KAC130	20.0	23.0	4.9	25.0	25.0	10.0	2.0	1.0
MYN 23-221K	20KAC140	20.0	23.0	5.0	25.0	25.0	10.0	2.1	1.0
MYN 23-241K	20KAC150	20.0	23.0	5.2	25.0	25.0	10.0	2.1	1.0
MYN 23-271K	20KAC175	20.0	23.0	5.3	25.0	25.0	10.0	2.2	1.0
MYN 23-331K	20KAC210	20.0	23.0	5.7	25.0	25.0	10.0	2.5	1.0
MYN 23-361K	20KAC230	20.0	23.0	5.8	25.0	25.0	10.0	2.6	1.0
MYN 23-391K	20KAC250	20.0	23.0	6.0	25.0	25.0	10.0	2.7	1.0
MYN 23-431K	20KAC275	20.0	23.0	6.2	25.0	25.0	10.0	2.8	1.0
MYN 23-471K	20KAC300	20.0	23.0	6.4	25.0	25.0	10.0	3.0	1.0
MYN 23-511K	20KAC320	20.0	23.0	6.7	25.0	25.0	10.0	3.1	1.0
MYN 23-561K	20KAC350	20.0	23.0	7.0	25.0	25.0	10.0	3.3	1.0
MYN 23-621K	20KAC385	20.0	24.0	7.3	27.0	25.0	10.0	3.5	1.0
MYN 23-681K	20KAC420	20.0	24.0	7.6	27.0	25.0	10.0	3.7	1.0
MYN 23-751K	20KAC460	20.0	24.0	8.0	27.0	25.0	10.0	3.9	1.0
MYN 23-781K	20KAC485	20.0	24.0	8.2	27.0	25.0	10.0	4.0	1.0
MYN 23-821K	20KAC510	20.0	24.0	8.4	27.0	25.0	10.0	4.2	1.0
MYN 23-911K	20KAC550	20.0	24.0	8.9	27.0	25.0	10.0	4.5	1.0
MYN 23-102K	20KAC625	20.0	24.0	9.4	27.0	25.0	10.0	4.8	1.0
MYN 23-112K	20KAC680	20.0	24.0	10.0	27.0	25.0	10.0	5.2	1.0
MYN 23-182K	20KAC1000	20.0	24.0	14.0	27.0	25.0	10.0	7.6	1.0

◇ MYN23KS Series Dimension

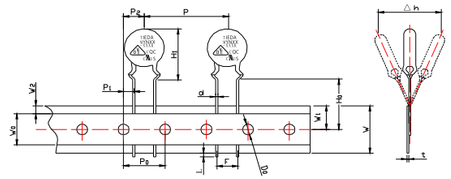
Part No.		Rated Diameter of Varistor Disk	Dimensions of Component (mm)						
		±20%(mm)	D_{max}	T_{max}	$L1_{max}$	$L2_{max}$	A±1.0	B±1.0	d±0.1
MYN 23-201KS	20KAC130S	17.0	17.5	4.9	22.0	25.0	10.0	2.0	1.0
MYN 23-221KS	20KAC140S	17.0	17.5	5.0	22.0	25.0	10.0	2.1	1.0
MYN 23-241KS	20KAC150S	17.0	17.5	5.2	22.0	25.0	10.0	2.1	1.0
MYN 23-271KS	20KAC175S	17.0	17.5	5.3	22.0	25.0	10.0	2.2	1.0
MYN 23-331KS	20KAC210S	17.0	17.5	5.7	22.0	25.0	10.0	2.5	1.0
MYN 23-361KS	20KAC230S	17.0	17.5	5.8	22.0	25.0	10.0	2.6	1.0
MYN 23-391KS	20KAC250S	17.0	17.5	6.0	22.0	25.0	10.0	2.7	1.0
MYN 23-431KS	20KAC275S	17.0	17.5	6.2	22.0	25.0	10.0	2.8	1.0
MYN 23-471KS	20KAC300S	17.0	17.5	6.4	22.0	25.0	10.0	3.0	1.0
MYN 23-511KS	20KAC320S	17.0	17.5	6.7	22.0	25.0	10.0	3.1	1.0
MYN 23-561KS	20KAC350S	17.0	17.5	7.0	22.0	25.0	10.0	3.3	1.0
MYN 23-621KS	20KAC385S	17.0	18	7.3	24.0	25.0	10.0	3.5	1.0
MYN 23-681KS	20KAC420S	17.0	18	7.6	24.0	25.0	10.0	3.7	1.0
MYN 23-751KS	20KAC460S	17.0	18	8.0	24.0	25.0	10.0	3.9	1.0
MYN 23-781KS	20KAC485S	17.0	18	8.2	24.0	25.0	10.0	4.0	1.0
MYN 23-821KS	20KAC510S	17.0	18	8.4	24.0	25.0	10.0	4.2	1.0
MYN 23-911KS	20KAC550S	17.0	18	8.9	24.0	25.0	10.0	4.5	1.0
MYN 23-102KS	20KAC625S	17.0	18	9.4	24.0	25.0	10.0	4.8	1.0
MYN 23-112KS	20KAC680S	17.0	18	10.0	24.0	25.0	10.0	5.2	1.0
MYN 23-182KS	20KAC1000S	17.0	18	14.0	24.0	25.0	10.0	7.6	1.0

◇ MYN25KS Series Dimension

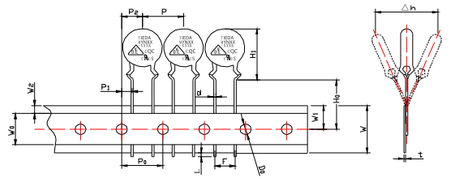
Part No.		Rated Diameter of Varistor Disk	Dimensions of Component (mm)						
		±20%(mm)	D_{max}	T_{max}	$L1_{max}$	$L2_{max}$	A±1.0	B±1.0	d±0.1
MYN 25-201KS	25KAC130S	23.0	25	5.5	30.0	25.0	10.0	2.4	1.3
MYN 25-221KS	25KAC140S	23.0	25	5.6	30.0	25.0	10.0	2.5	1.3
MYN 25-241KS	25KAC150S	23.0	25	5.8	30.0	25.0	10.0	2.5	1.3
MYN 25-271KS	25KAC175S	23.0	25	5.9	30.0	25.0	10.0	2.6	1.3
MYN 25-331KS	25KAC210S	23.0	25	6.3	30.0	25.0	10.0	2.9	1.3
MYN 25-361KS	25KAC230S	23.0	25	6.4	30.0	25.0	10.0	3.0	1.3
MYN 25-391KS	25KAC250S	23.0	25	6.6	30.0	25.0	10.0	3.1	1.3
MYN 25-431KS	25KAC275S	23.0	25	6.8	30.0	25.0	10.0	3.2	1.3
MYN 25-471KS	25KAC300S	23.0	25	7.0	30.0	25.0	10.0	3.4	1.3
MYN 25-511KS	25KAC320S	23.0	25	7.3	30.0	25.0	10.0	3.5	1.3
MYN 25-561KS	25KAC350S	23.0	25	7.6	30.0	25.0	10.0	3.7	1.3
MYN 25-621KS	25KAC385S	23.0	26	7.9	32.0	25.0	10.0	3.9	1.3
MYN 25-681KS	25KAC420S	23.0	26	8.2	32.0	25.0	10.0	4.1	1.3
MYN 25-751KS	25KAC460S	23.0	26	8.6	32.0	25.0	10.0	4.3	1.3
MYN 25-781KS	25KAC485S	23.0	26	8.8	32.0	25.0	10.0	4.4	1.3
MYN 25-821KS	25KAC510S	23.0	26	9.0	32.0	25.0	10.0	4.6	1.3
MYN 25-911KS	25KAC550S	23.0	26	9.5	32.0	25.0	10.0	4.9	1.3
MYN 25-102KS	25KAC625S	23.0	26	10.0	32.0	25.0	10.0	5.2	1.3
MYN 25-112KS	25KAC680S	23.0	26	10.6	32.0	25.0	10.0	5.6	1.3
MYN 25-182KS	25KAC1000S	23.0	26	14.6	32.0	25.0	10.0	8.0	1.3

Taped Product Dimension

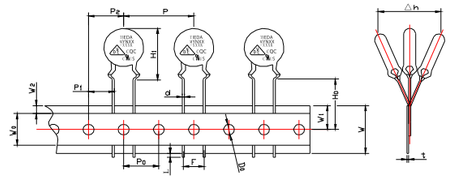
Version1(P0=15.0mm P=30.0mm)



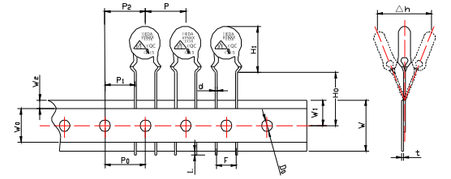
Version2(P0=15.0mm P=15.0mm)



Version3(P0=12.7mm P=25.4mm)



Version4(P0=12.7mm P=12.7mm)



Item	Taped Product Dimension (mm)				
	MYN9 (07K) Version4	MYN12 (10K) Version2	MYN12 (10K) Version4	MYN15 (14K) Version1/2	MYN15 (14K) Version3
P±1.0	12.7	15.0	12.7	15.0/30.0	25.4
P_0±0.3	12.7	15.0	12.7	15.0	12.7
P_1±0.7	10.2	3.75	8.95	3.75	8.95
P_2±1.0	12.7	7.5	12.7	7.5	12.7
F±0.5	5.0	7.5	7.5	7.5	7.5
H±1.5	22.0	22.0	22.0	22.0	22.0
H_0±1.0	19.0	19.0	19.0	19.0	19.0
$H1_{max}$	12.2	17.0	12.7	22.5	22.5
d±0.1	0.6	0.8	0.8	0.8	0.8
W±0.5	18.0	18.0	18.0	18.0	18.0
$W0_{min}$	12.0	12.0	12.0	12.0	12.0
W_1±0.4	9.0	9.0	9.0	9.0	9.0
$W2_{max}$	3.0	3.0	3.0	3.0	3.0
t±0.3	0.6	0.6	0.6	0.6	0.6
D_0±0.2	4.0	4.0	4.0	4.0	4.0
△h±2.0	0	0	0	0	0
L_{max}	0	0	0	0	0

6 Ratings and Characteristics

◇ Ratings and Characteristics 1

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN7-180K (05KAC11)	18 (16~20)	11	14	40	1	250	125	0.01	0.6	0.4	1600	×	×	×
MYN9-180K (07KAC11)				36	2.5	500	250	0.02	1.1	0.9	3800	×	×	×
MYN12-180K (10KAC11)				36	5	1000	500	0.05	2.6	2.2	16000	×	×	×
MYN15-180K (14KAC11)				36	10	2000	1000	0.1	5.2	4.3	25000	×	×	×
MYN23-180K (20KAC11)				36	20	3000	2000	0.2	13	12	40000	×	×	×
MYN7-220K (05KAC14)	22 (20~24)	14	18	48	1	250	125	0.01	0.7	0.5	1500	×	×	×
MYN9-220K (07KAC14)				33	2.5	500	250	0.02	1.3	1.1	3600	×	×	×
MYN12-220K (10KAC14)				33	5	1000	500	0.05	3.2	2.6	11000	×	×	×
MYN15-220K (14KAC14)				33	10	2000	1000	0.1	6.3	5.3	20000	×	×	×
MYN23-220K (20KAC14)				33	20	3000	2000	0.2	16	14	30000	×	×	×
MYN7-270K (05KAC17)	27 (24~30)	17	22	60	1	250	125	0.01	0.9	0.7	1450	×	×	×
MYN9-270K (07KAC17)				53	2.5	500	250	0.02	1.6	1.3	3400	×	×	×
MYN12-270K (10KAC17)				53	5	1000	500	0.05	3.9	3.2	8000	×	×	×
MYN15-270K (14KAC17)				53	10	2000	1000	0.1	7.8	6.5	16000	×	×	×
MYN23-270K (20KAC17)				53	20	3000	2000	0.2	19	17	24500	×	×	×
MYN7-330K (05KAC20)	33 (30-36)	20	26	73	1	250	125	0.01	1.1	0.8	1400	×	×	×
MYN9-330K (07KAC20)				65	2.5	500	250	0.02	2.0	1.6	2900	×	×	×
MYN12-330K (10KAC20)				65	5	1000	500	0.05	4.8	4.0	6300	×	×	×
MYN15-330K (14KAC20)				65	10	2000	1000	0.1	9.5	7.9	12200	×	×	×
MYN23-330K (20KAC20)				65	20	3000	2000	0.2	24	21	20000	×	×	×
MYN7-390K (05KAC25)	39 (35~43)	25	31	86	1	250	125	0.01	1.2	0.9	800	×	×	×
MYN9-390K (07KAC25)				77	2.5	500	250	0.02	2.4	1.9	1600	×	×	×
MYN12-390K (10KAC25)				77	5	1000	500	0.05	5.6	4.7	5200	×	×	×
MYN15-390K (14KAC25)				77	10	2000	1000	0.1	11	9.4	7000	×	×	×
MYN23-390K (20KAC25)				77	20	3000	2000	0.2	28	25	13800	×	×	×

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

◇ Ratings and Characteristics 2

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN7-470K (05KAC30)	47 (42~52)	30	38	104	1	250	125	0.01	1.5	1.1	650	×	×	×
MYN9-470K (07KAC30)				93	2.5	500	250	0.02	2.8	2.3	1550	×	×	×
MYN12-470K (10KAC30)				93	5	1000	500	0.05	6.8	5.6	4600	×	×	×
MYN15-470K (14KAC30)				93	10	2000	1000	0.1	14	11	6750	×	×	×
MYN23-470K (20KAC30)				93	20	3000	2000	0.2	34	30	13500	×	×	×
MYN7-560K (05KAC35)	56 (50~62)	35	45	123	1	250	125	0.01	1.8	1.3	600	×	×	×
MYN9-560K (07KAC35)				110	2.5	500	250	0.02	3.4	2.7	1500	×	×	×
MYN12-560K (10KAC35)				110	5	1000	500	0.05	8.1	6.7	3750	×	×	×
MYN15-560K (14KAC35)				110	10	2000	1000	0.1	16	13	6500	×	×	×
MYN23-560K (20KAC35)				110	20	3000	2000	0.2	41	36	12200	×	×	×
MYN7-680K (05KAC40)	68 (61~75)	40	56	150	1	250	125	0.01	2.2	1.6	550	×	×	×
MYN9-680K (07KAC40)				135	2.5	500	250	0.02	4.1	3.3	1200	×	×	×
MYN12-680K (10KAC40)				135	5	1000	500	0.05	9.8	8.2	2800	×	×	×
MYN15-680K (14KAC40)				135	10	2000	1000	0.1	20	16	5500	×	×	×
MYN23-680K (20KAC40)				135	20	3000	2000	0.2	49	44	11500	×	×	×
MYN7-820K (05KAC50)	82 (74~90)	50	65	145	5	800	600	0.1	3.5	2.5	460	×	×	×
MYN9-820K (07KAC50)				135	10	1750	1250	0.25	7	5	810	×	×	×
MYN12-820K (10KAC50)				135	25	3500	2500	0.4	14	10	2000	×	×	×
MYN15-820K (14KAC50)				135	50	6000	5000	0.6	28	20	3700	×	×	×
MYN23-820K (20KAC50)				135	100	10000	7000	1.0	56	40	7500	×	×	×
MYN7-101K (05KAC60)	100 (90~110)	60	85	175	5	800	600	0.1	4	3	400	×	×	×
MYN9-101K (07KAC60)				165	10	1750	1250	0.25	8.5	6	700	×	×	×
MYN12-101K (10KAC60)				165	25	3500	2500	0.4	17	12	1700	×	×	×
MYN15-101K (14KAC60)				165	50	6000	5000	0.6	35	25	3200	×	×	×
MYN23-101K (20KAC60)				165	100	10000	7000	1.0	70	50	6500	×	×	×

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

◇ Ratings and Characteristics 3

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN7-121K (05KAC75)	120 (108~132)	75	100	210	5	800	600	0.1	5.0	3.5	350	×	×	×
MYN9-121K (07KAC75)				200	10	1750	1250	0.25	10	7	590	×	×	×
MYN12-121K (10KAC75)				200	25	3500	2500	0.4	20	14.5	1400	×	×	×
MYN15-121K (14KAC75)				200	50	6000	5000	0.6	42	30	2700	×	×	×
MYN23-121K (20KAC75)				200	100	10000	7000	1.0	85	60	5500	×	×	×
MYN7-151K (05KAC95)	150 (135~165)	95	125	260	5	800	600	0.1	6.5	4.5	300	×	×	×
MYN9-151K (07KAC95)				250	10	1750	1250	0.25	13	9	500	×	×	×
MYN12-151K (10KAC95)				250	25	3500	2500	0.4	25	18	1100	×	×	×
MYN15-151K (14KAC95)				250	50	6000	5000	0.6	53	37.5	2200	×	×	×
MYN23-151K (20KAC95)				250	100	10000	7000	1.0	106	75	4500	×	×	×
MYN7-201K (05KAC130)	200 (180~220)	130	170	355	5	800	600	0.1	8.5	6	120	×	×	×
MYN9-201K (07KAC130)				340	10	1750	1250	0.25	17.5	12.5	200	√	×	×
MYN12-201K (10KAC130)				340	25	3500	2500	0.4	35	25	430	√	√	√
MYN15-201K (14KAC130)				340	50	6000	5000	0.6	70	50	770	√	√	√
MYN23-201K (20KAC130)				340	100	10000	7000	1.0	140	100	1700	√	√	√
MYN7-221K (05KAC140)	220 (198~242)	140	180	380	5	800	600	0.1	9	6.5	110	×	×	×
MYN9-221K (07KAC140)				360	10	1750	1250	0.25	19	13.5	190	√	×	×
MYN12-221K (10KAC140)				360	25	3500	2500	0.4	39	27.5	410	√	√	√
MYN15-221K (14KAC140)				360	50	6000	5000	0.6	78	55	740	√	√	√
MYN23-221K (20KAC140)				360	100	10000	7000	1.0	155	110	1600	√	√	√
MYN7-241K (05KAC150)	240 (216~264)	150	200	415	5	800	600	0.1	10.5	7.5	100	×	×	×
MYN9-241K (07KAC150)				395	10	1750	1250	0.25	21	15	170	√	×	×
MYN12-241K (10KAC150)				395	25	3500	2500	0.4	42	30	380	√	√	√
MYN15-241K (14KAC150)				395	50	6000	5000	0.6	84	60	700	√	√	√
MYN23-241K (20KAC150)				395	100	10000	7000	1.0	168	120	1500	√	√	√

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

◇ Ratings and Characteristics 4

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN7-271K (05KAC175)	270 (243~297)	175	225	475	5	800	600	0.1	11	8	90	×	×	×
MYN9-271K (07KAC175)				455	10	1750	1250	0.25	24	17	150	√	×	×
MYN12-271K (10KAC175)				455	25	3500	2500	0.4	49	35	350	√	√	√
MYN15-271K (14KAC175)				455	50	6000	5000	0.6	99	70	640	√	√	√
MYN23-271K (20KAC175)				455	100	10000	7000	1.0	190	135	1300	√	√	√
MYN7-331K (05KAC210)	330 (297~363)	210	270	570	5	800	600	0.1	13	0.5	80	×	×	×
MYN9-331K (07KAC210)				545	10	1750	1250	0.25	28	20	130	√	×	×
MYN12-331K (10KAC210)				545	25	3500	2500	0.4	58	42	300	√	√	√
MYN15-331K (14KAC210)				545	50	6000	5000	0.6	115	80	580	√	√	√
MYN23-331K (20KAC210)				545	100	10000	7000	1.0	228	160	1100	√	√	√
MYN7-361K (05KAC230)	360 (324~396)	230	300	620	5	800	600	0.1	16	11	80	×	×	×
MYN9-361K (07KAC230)				595	10	1750	1250	0.25	32	23	130	√	×	×
MYN12-361K (10KAC230)				595	25	3500	2500	0.4	65	45	300	√	√	√
MYN15-361K (14KAC230)				595	50	6000	5000	0.6	130	90	540	√	√	√
MYN23-361K (20KAC230)				595	100	10000	7000	1.0	255	180	1100	√	√	√
MYN7-391K (05KAC250)	390 (351~429)	250	320	675	5	800	600	0.1	17	12	80	×	×	×
MYN9-391K (07KAC250)				650	10	1750	1250	0.25	35	25	130	√	×	×
MYN12-391K (10KAC250)				650	25	3500	2500	0.4	70	50	300	√	√	√
MYN15-391K (14KAC250)				650	50	6000	5000	0.6	140	100	500	√	√	√
MYN23-391K (20KAC250)				650	100	10000	7000	1.0	275	195	1100	√	√	√
MYN7-431K (05KAC275)	430 (387~473)	275	350	745	5	800	600	0.1	20	13.5	70	×	×	×
MYN9-431K (07KAC275)				710	10	1750	1250	0.25	40	27.5	120	√	×	×
MYN12-431K (10KAC275)				710	25	3500	2500	0.4	80	55	270	√	√	√
MYN15-431K (14KAC275)				710	50	6000	5000	0.6	155	110	450	√	√	√
MYN23-431K (20KAC275)				710	100	10000	7000	1.0	303	215	1000	√	√	√

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

◇ Ratings and Characteristics 5

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN7-471K (05KAC300)	470 (423~517)	300	385	810	5	800	600	0.1	21	15	60	×	×	×
MYN9-471K (07KAC300)				775	10	1750	1250	0.25	42	30	100	√	×	×
MYN12-471K (10KAC300)				775	25	3500	2500	0.4	85	60	230	√	√	√
MYN15-471K (14KAC300)				775	50	6000	5000	0.6	175	125	400	√	√	√
MYN23-471K (20KAC300)				775	100	10000	7000	1.0	350	250	900	√	√	√
MYN9-511K (07KAC320)	510 (459~561)	320	410	845	10	1750	1250	0.25	45	32	90	×	×	×
MYN12-511K (10KAC320)				845	25	3500	2500	0.4	92	67	210	√	√	√
MYN15-511K (14KAC320)				845	50	6000	5000	0.6	190	136	350	√	√	√
MYN23-511K (20KAC320)				845	100	10000	7000	1.0	382	273	800	√	√	√
MYN9-561K (07KAC350)	560 (504~616)	350	460	910	10	1750	1250	0.25	46	33	80	×	×	×
MYN12-561K (10KAC350)				910	25	3500	2500	0.4	92	67	200	√	√	√
MYN15-561K (14KAC350)				910	50	6000	5000	0.6	190	136	340	√	√	√
MYN23-561K (20KAC350)				910	100	10000	7000	1.0	382	273	700	√	√	√
MYN12-621K (10KAC385)	620 (558~682)	385	505	1025	25	3500	2500	0.4	92	67	190	√	√	√
MYN15-621K (14KAC385)				1025	50	6000	5000	0.6	190	136	330	√	√	√
MYN23-621K (20KAC385)				1025	100	10000	7000	1.0	382	273	700	√	√	√
MYN12-681K (10KAC420)	680 (612~748)	420	560	1120	25	3500	2500	0.4	92	67	170	√	√	√
MYN15-681K (14KAC420)				1120	50	6000	5000	0.6	190	136	320	√	√	√
MYN23-681K (20KAC420)				1120	100	10000	7000	1.0	382	273	650	√	√	√
MYN12-751K (10KAC460)	750 (675~825)	460	615	1240	25	3500	2500	0.4	100	70	160	√	√	√
MYN15-751K (14KAC460)				1240	50	6000	5000	0.6	210	150	310	√	√	√
MYN23-751K (20KAC460)				1240	100	10000	7000	1.0	420	300	600	√	√	√
MYN12-781K (10KAC485)	780 (702~858)	485	640	1290	25	3500	2500	0.4	105	75	150	√	√	√
MYN15-781K (14KAC485)				1290	50	6000	5000	0.6	220	160	300	√	√	√
MYN23-781K (20KAC485)				1290	100	10000	7000	1.0	440	312	560	√	√	√

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

METAL OXIDE VARISTORS > UNIVERSAL SERIES PRODUCT
TIEDA

◇ Ratings and Characteristics 6

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN12-821K (10KAC510)	820 (738~902)	510	670	1355	25	3500	2500	0.4	110	80	140	√	√	√
MYN15-821K (14KAC510)				1355	50	6000	5000	0.6	235	165	280	√	√	√
MYN23-821K (20KAC510)				1355	100	10000	7000	1.0	460	325	530	√	√	√
MYN12-911K (10KAC550)	910 (819~1001)	550	745	1500	25	3500	2500	0.4	130	90	120	√	√	√
MYN15-911K (14KAC550)				1500	50	6000	5000	0.6	255	180	250	√	√	√
MYN23-911K (20KAC550)				1500	100	10000	7000	1.0	510	360	500	√	√	√
MYN12-102K (10KAC625)	1000 (900~1100)	625	825	1650	25	3500	2500	0.4	140	100	110	√	√	√
MYN15-102K (14KAC625)				1650	50	6000	5000	0.6	285	200	230	√	√	√
MYN23-102K (20KAC625)				1650	100	10000	7000	1.0	565	400	450	√	√	√
MYN12-112K (10KAC680)	1100 (990~1210)	680	895	1815	25	3500	2500	0.4	155	110	110	√	√	√
MYN15-112K (14KAC680)				1815	50	6000	5000	0.6	310	220	210	√	√	√
MYN23-112K (20KAC680)				1815	100	10000	7000	1.0	620	440	400	√	√	√
MYN12-182K (10KAC1000)	1800 (1620~1980)	1000	1465	2970	25	3500	2500	0.4	247	183	70	×	×	×
MYN15-182K (14KAC1000)				2970	50	5000	4500	0.6	510	360	120	×	×	×
MYN23-182K (20KAC1000)				2970	100	8000	6500	1.0	1020	720	250	×	×	×

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

◇ Ratings and Characteristics 7

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		Cp	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN23-201KS (20KAC130S)	200 (185~225)	130	170	340	100	10000	7000	1.0	108	77.5	1320	√	√	√
MYN23-221KS (20KAC140S)	220 (198~242)	140	180	360	100	10000	7000	1.0	120	85	1240	√	√	√
MYN23-241KS (20KAC150S)	240 (216~264)	150	200	395	100	10000	7000	1.0	130	93	1160	√	√	√
MYN23-271KS (20KAC175S)	270 (247~303)	175	225	455	100	10000	7000	1.0	147	105	1010	√	√	√
MYN23-331KS (20KAC210S)	330 (297~363)	210	270	545	100	10000	7000	1.0	177	124	850	√	√	√
MYN23-361KS (20KAC230S)	360 (324~396)	230	300	595	100	10000	7000	1.0	198	140	850	√	√	√
MYN23-391KS (20KAC250S)	390 (351~429)	250	320	650	100	10000	7000	1.0	213	151	850	√	√	√
MYN23-431KS (20KAC275S)	430 (387~429)	275	350	710	100	10000	7000	1.0	235	167	780	√	√	√
MYN23-471KS (20KAC300S)	470 (423~517)	300	385	775	100	10000	7000	1.0	271	194	700	√	√	√
MYN23-511KS (20KAC320S)	510 (459~561)	320	410	845	100	10000	7000	1.0	296	212	620	√	√	√
MYN23-561KS (20KAC350S)	560 (504~616)	350	460	910	100	10000	7000	1.0	296	212	540	√	√	√
MYN23-621KS (20KAC385S)	620 (558~682)	385	505	1025	100	10000	7000	1.0	296	212	540	√	√	√
MYN23-681KS (20KAC420S)	680 (612~748)	420	560	1120	100	10000	7000	1.0	296	212	500	√	√	√
MYN23-751KS (20KAC460S)	750 (675~825)	460	615	1240	100	10000	7000	1.0	326	233	460	√	√	√
MYN23-781KS (20KAC485S)	780 (702~858)	485	640	1290	100	10000	7000	1.0	341	242	430	√	√	√
MYN23-821KS (20KAC510S)	820 (738~902)	510	670	1355	100	10000	7000	1.0	357	252	410	√	√	√
MYN23-911KS (20KAC550S)	910 (819~1001)	550	745	1500	100	10000	7000	1.0	395	279	390	√	√	√
MYN23-102KS (20KAC625S)	1000 (900~1100)	625	825	1650	100	10000	7000	1.0	438	310	350	√	√	√
MYN23-112KS (20KAC680S)	1100 (990~1210)	680	895	1815	100	10000	7000	1.0	480	341	310	√	√	√
MYN23-182KS (20KAC1000S)	1800 (1700~1980)	1000	1465	2970	100	8000	6500	1.0	791	558	190	×	×	×

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

◇ Ratings and Characteristics 8

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	Ip	I_{max}		P	W_{max}		C_p	CQC	VDE	UL& CUL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(KA)	(KA)	(W)	(J)	(J)	(Pf)			
MYN25-201KS (25KAC130S)	200 (185~225)	130	170	340	150	20	15	1.3	235	170	2850	×	×	×
MYN25-221KS (25KAC140S)	220 (198~242)	140	180	360	150	20	15	1.3	260	185	2680	×	×	×
MYN25-241KS (25KAC150S)	240 (216~264)	150	200	395	150	20	15	1.3	280	200	2500	×	×	×
MYN25-271KS (25KAC175S)	270 (247~303)	175	225	455	150	20	15	1.3	320	225	2180	×	×	×
MYN25-331KS (25KAC210S)	330 (297~363)	210	270	545	150	20	15	1.3	380	270	1840	×	×	×
MYN25-361KS (25KAC230S)	360 (324~396)	230	300	595	150	20	15	1.3	425	300	1840	×	×	×
MYN25-391KS (25KAC250S)	390 (351~429)	250	320	650	150	20	15	1.3	460	325	1840	×	×	×
MYN25-431KS (25KAC275S)	430 (387~429)	275	350	710	150	20	15	1.3	505	360	1670	×	√	√
MYN25-471KS (25KAC300S)	470 (423~517)	300	385	775	150	20	15	1.3	585	420	1500	×	√	√
MYN25-511KS (25KAC320S)	510 (459~561)	320	410	845	150	20	15	1.3	640	455	1340	×	√	√
MYN25-561KS (25KAC350S)	560 (504~616)	350	460	910	150	20	15	1.3	640	455	1170	×	√	√
MYN25-621KS (25KAC385S)	620 (558~682)	385	505	1025	150	20	15	1.3	640	455	1170	×	√	√
MYN25-681KS (25KAC420S)	680 (612~748)	420	560	1120	150	20	15	1.3	640	455	1090	×	√	√
MYN25-751KS (25KAC460S)	750 (675~825)	460	615	1240	150	20	15	1.3	700	500	1000	×	√	√
MYN25-781KS (25KAC485S)	780 (702~858)	485	640	1290	150	20	15	1.3	735	520	940	×	√	√
MYN25-821KS (25KAC510S)	820 (738~902)	510	670	1355	150	20	15	1.3	770	545	900	×	√	√
MYN25-911KS (25KAC550S)	910 (819~1001)	550	745	1500	150	20	15	1.3	855	600	840	×	×	×
MYN25-102KS (25KAC625S)	1000 (900~1100)	625	825	1650	150	20	15	1.3	945	670	750	×	×	×
MYN25-112KS (25KAC680S)	1100 (990~1210)	680	895	1815	150	20	15	1.3	1040	740	670	×	×	×
MYN25-182KS (25KAC1000S)	1800 (1700~1980)	1000	1465	2970	150	15	12	1.3	1700	1200	420	×	×	×

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

Explosion-Proof Series Product

1 Features

- Possessing all the advantages of the Universal Series product
- Providing explosion-proof and arc-suppression performance

2 Recommended Applications

- Transistor, diode, IC, thyristor or triac semiconductor protection
- Surge protection in consumer electronic equipment
- Surge protection in communication, measuring, or controller electronics
- Surge protection in electronic home appliance, gas or petroleum appliance
- Relay or electromagnetic valve surge absorption

3 Part Numbering System

Naming Pattern 1

M Y N □ □ — □ □ □ □ M

(1) (2) (3) (4) (5) (6)

e.g. M Y N 1 5 — 6 2 1 K M

Seq.	Item	Description
(1)	MY	For TIEDA Varistor
(2)	N	N series
(3)	□□	Nominal diameter of component (mm)
(4)	□□□	Nominal Varistor Voltage. The first two digits are significant figures and the third one denotes the number of zeros following, e.g., 621 represents 62×101=620V
(5)	□	Tolerance of Varistor Voltage: J=±5% K=±10%
(6)	M	Explosion proof product

Naming Pattern 2

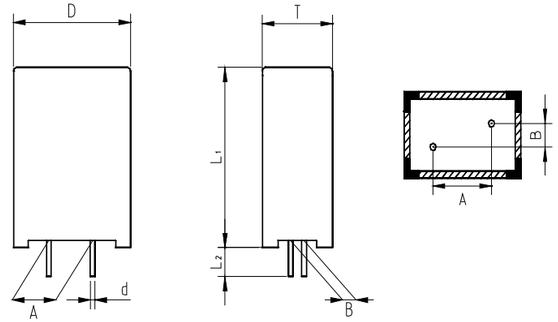
□ □ □ A C — □ □ □ □

(1) (2) (3) (4) (5)

e.g. 1 4 K A C 3 8 5 M

Seq.	Item	Description
(1)	□□	Rated Diameter of Varistor Disk
(2)	□	Tolerance of Varistor Voltage: J=±5% K=±10%
(3)	AC	Alternating Voltage
(4)	□□□	Max. AC operating voltage (ACrms)
(5)	M	Explosion proof product

4 Product Dimension



Part No.	Dimensions of Component (mm)						
	D±0.5	T±0.5	L1±1.0	L2±0.5	A±1.0	B±0.5	d±1.0
MYN12-201KM~821KM (10KAC130M~10KAC510M)	15.5	11.5	14.1	4.0	7.5	2.3	0.8
MYN15-201KM~821KM (14KAC130M~14KAC510M)	20.0	12.0	25.0	4.0	7.5	2.3	0.8
MYN23-201KM~821KM (20KAC130M~20KAC510M)	26.0	14.5	30.5	4.0	10.0	2.3	1.0

5 Ratings and Characteristics

◇ Ratings and Characteristics 1

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN12-201KM (10KAC130M)	200 (180~220)	130	170	340	25	3500	2500	0.4	35	25	430	√	√	√
MYN15-201KM (14KAC130M)				340	50	6000	5000	0.6	70	50	700	√	√	√
MYN23-201KM (20KAC130M)				340	100	10000	7000	1.0	140	100	1700	√	√	√
MYN12-221KM (10KAC140M)	220 (198~242)	140	180	360	25	3500	2500	0.4	39	27.5	410	√	√	√
MYN15-221KM (14KAC140M)				360	50	6000	5000	0.6	78	55	740	√	√	√
MYN23-221KM (20KAC140M)				360	100	10000	7000	1.0	155	110	1600	√	√	√
MYN12-241KM (10KAC150M)	240 (216~264)	150	200	395	25	3500	2500	0.4	42	30	380	√	√	√
MYN15-241KM (14KAC150M)				395	50	6000	5000	0.6	84	60	700	√	√	√
MYN23-241KM (20KAC150M)				395	100	10000	7000	1.0	168	120	1500	√	√	√
MYN12-271KM (10KAC175M)	270 (247~303)	175	225	455	25	3500	2500	0.4	49	35	350	√	√	√
MYN15-271KM (14KAC175M)				455	50	6000	5000	0.6	99	70	640	√	√	√
MYN23-271KM (20KAC175M)				455	100	10000	7000	1.0	190	135	1300	√	√	√
MYN12-331KM (10KAC210M)	330 (297~363)	210	270	545	25	3500	2500	0.4	58	42	300	√	√	√
MYN15-331KM (14KAC210M)				545	50	6000	5000	0.6	115	80	580	√	√	√
MYN23-331KM (20KAC210M)				545	100	10000	7000	1.0	228	160	1100	√	√	√
MYN12-361KM (10KAC230M)	360 (324~396)	230	300	595	25	3500	2500	0.4	65	45	300	√	√	√
MYN15-361KM (14KAC230M)				595	50	6000	5000	0.6	130	90	540	√	√	√
MYN23-361KM (20KAC230M)				595	100	10000	7000	1.0	255	180	1100	√	√	√
MYN12-391KM (10KAC250M)	390 (351~429)	250	320	650	25	3500	2500	0.4	70	50	300	√	√	√
MYN15-391KM (14KAC250M)				650	50	6000	5000	0.6	140	100	500	√	√	√
MYN23-391KM (20KAC250M)				650	100	10000	7000	1.0	275	195	1100	√	√	√
MYN12-431KM (10KAC275M)	430 (387~473)	275	350	710	25	3500	2500	0.4	80	55	270	√	√	√
MYN15-431KM (14KAC275M)				710	50	6000	5000	0.6	155	110	450	√	√	√
MYN23-431KM (20KAC275M)				710	100	10000	7000	1.0	303	215	1000	√	√	√

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

◇ Ratings and Characteristics 2

Part No.	Varistor Voltage	Max. Continuous Voltage		Max. Clamping Voltage		Max. Peak Current (8/20us)		Rated Power	Max. Energy		(1KHZ) Capacotance	Certifi-cation		
	V	AC_{rms}	DC	V_p	I_p	I_{max}		P	W_{max}		C_p	CQC	VDE	UL
						×1	×2		10/1000us	2ms				
	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(W)	(J)	(J)	(Pf)			
MYN12-471KM (10KAC300M)	470 (423~517)	300	385	775	25	3500	2500	0.4	85	60	230	√	√	√
MYN15-471KM (14KAC300M)				775	50	6000	5000	0.6	175	125	400	√	√	√
MYN23-471KM (20KAC300M)				775	100	10000	7000	1.0	350	250	900	√	√	√
MYN12-511KM (10KAC320M)	510 (459~561)	320	410	845	25	3500	2500	0.4	92	67	210	√	√	√
MYN15-511KM (14KAC320M)				845	50	6000	5000	0.6	190	136	350	√	√	√
MYN23-511KM (20KAC320M)				845	100	10000	7000	1.0	382	273	800	√	√	√
MYN12-561KM (10KAC350M)	560 (504~616)	350	460	910	25	3500	2500	0.4	92	67	200	√	√	√
MYN15-561KM (14KAC350M)				910	50	6000	5000	0.6	190	136	340	√	√	√
MYN23-561KM (20KAC350M)				910	100	10000	7000	1.0	382	273	700	√	√	√
MYN12-621KM (10KAC385M)	620 (558~682)	385	505	1025	25	3500	2500	0.4	92	67	190	√	√	√
MYN15-621KM (14KAC385M)				1025	50	6000	5000	0.6	190	136	330	√	√	√
MYN23-621KM (20KAC385M)				1025	100	10000	7000	1.0	382	273	700	√	√	√
MYN12-681KM (10KAC420M)	680 (612~748)	420	560	1120	25	3500	2500	0.4	92	67	170	√	√	√
MYN15-681KM (14KAC420M)				1120	50	6000	5000	0.6	190	136	320	√	√	√
MYN23-681KM (20KAC420M)				1120	100	10000	7000	1.0	382	273	650	√	√	√
MYN12-751KM (10KAC460M)	750 (675~825)	460	615	1240	25	3500	2500	0.4	100	70	160	√	√	√
MYN15-751KM (14KAC460M)				1240	50	6000	5000	0.6	210	150	310	√	√	√
MYN23-751KM (20KAC460M)				1240	100	10000	7000	1.0	420	300	600	√	√	√
MYN12-781KM (10KAC485M)	780 (702~858)	485	640	1290	25	3500	2500	0.4	105	75	150	√	√	√
MYN15-781KM (14KAC485M)				1290	50	6000	5000	0.6	220	160	300	√	√	√
MYN23-781KM (20KAC485M)				1290	100	10000	7000	1.0	440	312	560	√	√	√
MYN12-821KM (10KAC510M)	820 (738~902)	510	670	1350	25	3500	2500	0.4	110	80	140	√	√	√
MYN15-821KM (14KAC510M)				1350	50	6000	5000	0.6	235	165	280	√	√	√
MYN23-821KM (20KAC510M)				1350	100	10000	7000	1.0	460	325	530	√	√	√

Note : "√" = certification achieved with the specific model. "×" = certification not achieved with the specific model.

Lighting-Protection Series Product

1 Features

- High surge current (15KA ... 80KA)
- Capable of absorbing high transient energies
- Low clamping ratio and no follow-on current
- Fast response to transient over-voltage and limited current
- Approvals: UL&cUL

2 Recommended Applications

- Transistor, diode, IC, thyristor or triac semiconductor protection
- Surge protection in consumer electronic equipment
- Surge protection in communication, measuring, or controller electronics
- Surge protection in electronic home appliance, gas or petroleum appliance
- Relay or electromagnetic valve surge absorption

3 Part Numbering System

M Y L □ — □ □ □ □ □ □ □

(1) (2) (3) (4) (5) (6)

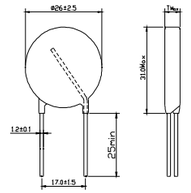
e.g. M Y L 1 4 0 K 6 2 1 □×2

Seq.	Item	Description
(1)	MYL	For TIEDA Lighting-Protection Varistor
(2)	□	0:No coating 1:Epoxy coating 2:Plastic coating 3: 40k in rectangle, i.e., MYL3-40K
(3)	□□	Disk Size 25: φ25mm round disk 32: φ32mm round disk 40: 34×34mm square disk (Special case: MYL3-40K represents 34×34mm rectangle disk) 50: 43×43mm square disk
(4)	□	Tolerance of Varistor Voltage: J=±5% K=±10%
(5)	□□□	Nominal Varistor Voltage. The first two digits are significant figures and the third one denotes the number of zeros following, e.g., 621 represents 62×101=620V.
(6)	□	×2: double disks, i.e. two disks with same model in parallel.

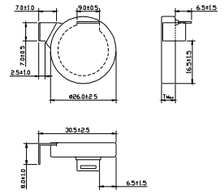
4 Product Dimension

◇ MYL-25K Series

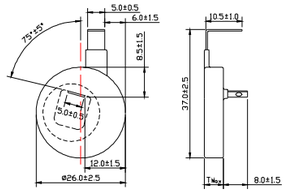
Radial Leaded



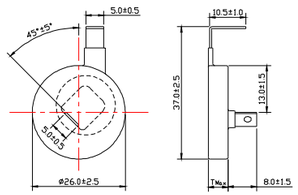
OBO



Shield Type-1



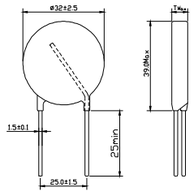
Shield Type-2



Note : For Tmax, please refer to section 5 ratings and characteristics of this chapter

◇ MYL-32K Series

Radial leaded



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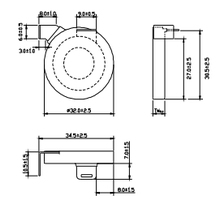
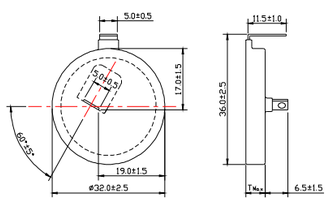
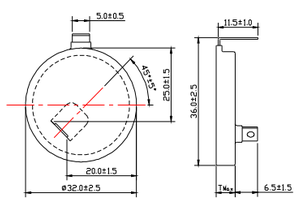


Shield Type-1



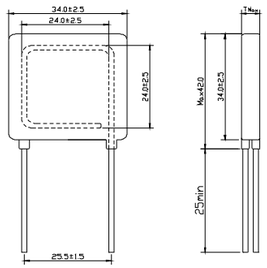
Shield Type-2



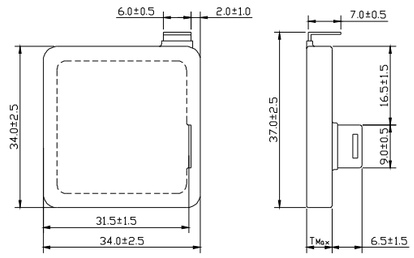
Note : For Tmax, please refer to section 5 ratings and characteristics of this chapter

◇ MYL-40K Series

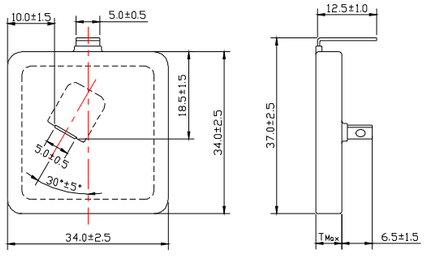
Radial Leaded



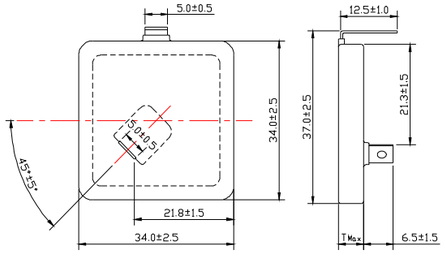
OBO



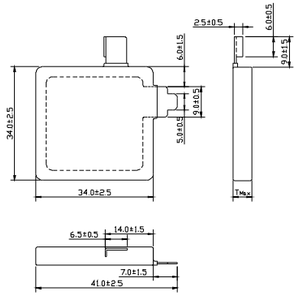
Shield Type-1



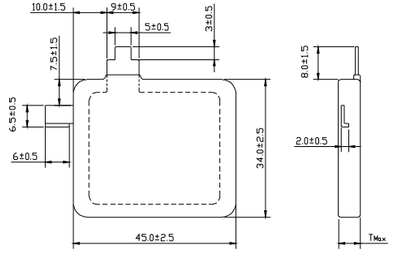
Shield Type-2



XDE



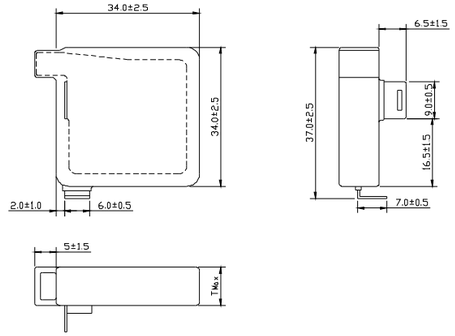
40K Rectangle



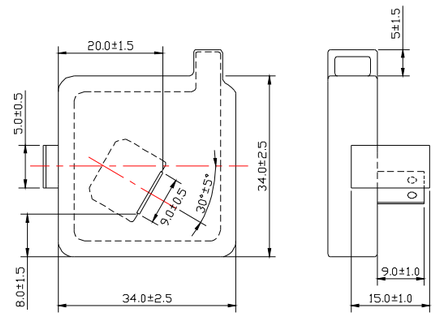
Note : For Tmax, please refer to section 5 ratings and characteristics of this chapter

◇ MYL-40K Series (Double Disks)

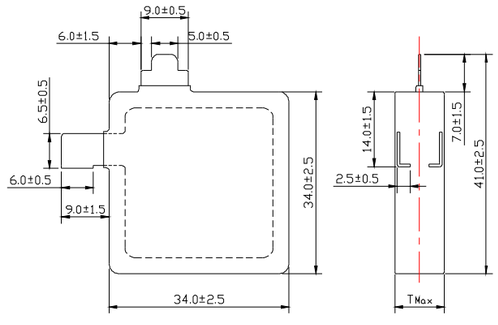
OBO



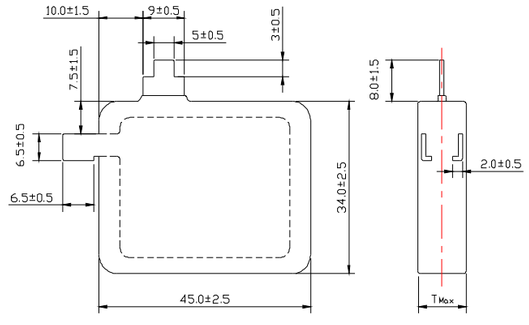
Sheild



XDE



40K Rectangle



Note : For Tmax, please refer to section 5 ratings and characteristics of this chapter

METAL OXIDE VARISTORS > LIGHTNING-PROTECTION SERIES PRODUCT
TIEDA

5 Ratings and Characteristics

◇ Ratings and Characteristics 1

Part No.	Varistor Voltage	Max. Continuous Voltage		Max.Clamping Voltage 1		Max. Clamping Voltage 2		Max. Peak Current (8/20us)		Rated Power	Max. Energy	Max. Thick-ness	Certifi-cation
	V	AC_{rms}	DC	V_{p1}	I_{p1}	V_{p2}	I_{p2}	I_{max} ×20	I_{max} ×2	P	W_{max} 2ms	T_{max}	UL& CUL
	(V)	(V)	(V)	(V)	(A)	(V)	(KA)	(KA)	(KA)	(W)	(J)	(mm)	
MYL-25K201	200 (180~220)	130	170	350	150	550	7	7	15	1.0	125	4.7	×
MYL-32K201				350	200	550	12	12	25	1.2	210		×
MYL-40K201				350	300	550	20	20	40	1.4	310		×
MYL3-40K201				350	400	550	25	25	50	1.5	400		×
MYL-50K201				350	500	550	35	35	70	1.6	490		×
MYL-40K201×2				350	500	550	35	35	70	1.6	490	6.4	×
MYL3-40K201×2				350	600	550	40	40	80	1.7	560		×
MYL-25K221	220 (198~242)	140	180	375	150	600	7	7	15	1.0	135	4.8	×
MYL-32K221				375	200	600	12	12	25	1.2	230		×
MYL-40K221				375	300	600	20	20	40	1.4	330		×
MYL3-40K221				375	400	600	25	25	50	1.5	430		×
MYL-50K221				375	500	600	35	35	70	1.6	530		×
MYL-40K221×2				375	500	600	35	35	70	1.6	530	6.7	×
MYL3-40K221×2				375	600	600	40	40	80	1.7	600		×
MYL-25K241	240 (216~264)	150	200	395	150	660	7	7	15	1.0	145	5.0	×
MYL-32K241				395	200	660	12	12	25	1.2	240		√
MYL-40K241				395	300	660	20	20	40	1.4	360		√
MYL3-40K241				395	400	660	25	25	50	1.5	460		√
MYL-50K241				395	500	660	35	35	70	1.6	570		×
MYL-40K241×2				395	500	660	35	35	70	1.6	570	6.9	×
MYL3-40K241×2				395	600	660	40	40	80	1.7	640		×
MYL-25K271	270 (243~297)	175	225	455	150	740	7	7	15	1.0	165	5.1	×
MYL-32K271				455	200	740	12	12	25	1.2	265		√
MYL-40K271				455	300	740	20	20	40	1.4	400		√
MYL3-40K271				455	400	740	25	25	50	1.5	510		√
MYL-50K271				455	500	740	35	35	70	1.6	620		×
MYL-40K271×2				455	500	740	35	35	70	1.6	620	7.3	×
MYL3-40K271×2				455	600	740	40	40	80	1.7	710		×

Note : “√” = certification achieved with the specific model. “×” = certification not achieved with the specific model.

◇ Ratings and Characteristics 2

Part No.	Varistor Voltage	Max. Continuous Voltage		Max.Clamping Voltage 1		Max. Clamping Voltage 2		Max. Peak Current (8/20us)		Rated Power	Max. Energy	Max. Thick-ness	Certifi-cation
	V	AC_{rms}	DC	V_{p1}	I_{p1}	V_{p2}	I_{p2}	I_{max} ×20	I_{max} ×2	P	W_{max} 2ms	T_{max}	UL& CUL
	(V)	(V)	(V)	(V)	(A)	(V)	(KA)	(KA)	(KA)	(W)	(J)	(mm)	
MYL-25K361	360 (324~396)	230	300	595	150	980	7	7	15	1.0	190	5.7	×
MYL-32K361				595	200	980	12	12	25	1.2	325		√
MYL-40K361				595	300	980	20	20	40	1.4	460		√
MYL3-40K361				595	400	980	25	25	50	1.5	590		×
MYL-50K361				595	500	980	35	35	70	1.6	730		×
MYL-40K361×2				595	500	980	35	35	70	1.6	730	8.4	×
MYL3-40K361×2				595	600	980	40	40	80	1.7	820		×
MYL-25K391	390 (351~429)	250	320	650	150	1090	7	7	15	1.0	210	5.9	×
MYL-32K391				650	200	1090	12	12	25	1.2	350		√
MYL-40K391				650	300	1090	20	20	40	1.4	490		√
MYL3-40K391				650	400	1090	25	25	50	1.5	640		×
MYL-50K391				650	500	1090	35	35	70	1.6	800		×
MYL-40K391×2				650	500	1090	35	35	70	1.6	800	8.7	×
MYL3-40K391×2				650	600	1090	40	40	80	1.7	890		×
MYL-25K431	430 (387~473)	275	350	710	150	1190	7	7	15	1.0	275	6.1	√
MYL-32K431				710	200	1190	12	12	25	1.2	400		√
MYL-40K431				710	300	1190	20	20	40	1.4	550		√
MYL3-40K431				710	400	1190	25	25	50	1.5	700		×
MYL-50K431				710	500	1190	35	35	70	1.6	860		×
MYL-40K431×2				710	500	1190	35	35	70	1.6	860	9.2	×
MYL3-40K431×2				710	600	1190	40	40	80	1.7	980		×
MYL-25K471	470 (423~517)	300	385	775	150	1300	7	7	15	1.0	245	6.3	√
MYL-32K471				775	200	1300	12	12	25	1.2	405		√
MYL-40K471				775	300	1300	20	20	40	1.4	600		√
MYL3-40K471				775	400	1300	25	25	50	1.5	760		×
MYL-50K471				775	500	1300	35	35	70	1.6	930		×
MYL-40K471×2				775	500	1300	35	35	70	1.6	930	9.7	×
MYL3-40K471×2				775	600	1300	40	40	80	1.7	1060		×

Note : “√” = certification achieved with the specific model. “×” = certification not achieved with the specific model.

◇ Ratings and Characteristics 3

Part No.	Varistor Voltage	Max. Continuous Voltage		Max.Clamping Voltage 1		Max. Clamping Voltage 2		Max. Peak Current (8/20us)		Rated Power	Max. Energy	Max. Thick-ness	Certifi-cation
	V	AC_{rms}	DC	V_{p1}	I_{p1}	V_{p2}	I_{p2}	I_{max} ×20	I_{max} ×2	P	W_{max} 2ms	T_{max}	UL& CUL
	(V)	(V)	(V)	(V)	(A)	(V)	(KA)	(KA)	(KA)	(W)	(J)	(mm)	
MYL-25K511	510 (459~561)	320	415	845	150	1400	7	7	15	1.0	265	6.4	√
MYL-32K511				845	200	1400	12	12	25	1.2	405		√
MYL-40K511				845	300	1400	20	20	40	1.4	640		√
MYL3-40K511				845	400	1400	25	25	50	1.5	800		×
MYL-50K511				845	500	1400	35	35	70	1.6	1000		×
MYL-40K511×2				845	500	1400	35	35	70	1.6	1000	10.2	×
MYL3-40K511×2				845	600	1400	40	40	80	1.7	1120		×
MYL-25K561	560 (504~616)	350	460	910	150	1530	7	7	15	1.0	265	6.9	√
MYL-32K561				910	200	1530	12	12	25	1.2	450		√
MYL-40K561				910	300	1530	20	20	40	1.4	720		√
MYL3-40K561				910	400	1530	25	25	50	1.5	900		×
MYL-50K561				910	500	1530	35	35	70	1.6	1080		×
MYL-40K561×2				910	500	1530	35	35	70	1.6	1080	10.8	×
MYL3-40K561×2				910	600	1530	40	40	80	1.7	1260		×
MYL-25K621	620 (558~682)	385	505	1025	150	1650	7	7	15	1.0	260	7.3	√
MYL-32K621				1025	200	1650	12	12	25	1.2	550		√
MYL-40K621				1025	300	1650	20	20	40	1.4	800		√
MYL3-40K621				1025	400	1650	25	25	50	1.5	1000		×
MYL-50K621				1025	500	1650	35	35	70	1.6	1200		×
MYL-40K621×2				1025	500	1650	35	35	70	1.6	1200	11.5	×
MYL3-40K621×2				1025	600	1650	40	40	80	1.7	1380		×
MYL-25K681	680 (612~748)	420	560	1120	150	1800	7	7	15	1.0	270	7.6	√
MYL-32K681				1120	200	1800	12	12	25	1.2	600		√
MYL-40K681				1120	300	1800	20	20	40	1.4	910		√
MYL3-40K681				1120	400	1800	25	25	50	1.5	1200		×
MYL-50K681				1120	500	1800	35	35	70	1.6	1500		×
MYL-40K681×2				1120	500	1800	35	35	70	1.6	1500	12.2	×
MYL3-40K681×2				1120	600	1800	40	40	80	1.7	1680		×

Note : “√” = certification achieved with the specific model. “×” = certification not achieved with the specific model.

◇ Ratings and Characteristics 4

Part No.	Varistor Voltage	Max. Continuous Voltage		Max.Clamping Voltage 1		Max. Clamping Voltage 2		Max. Peak Current (8/20us)		Rated Power	Max. Energy	Max. Thick-ness	Certifi-cation
	V	AC_{rms}	DC	V_{p1}	I_{p1}	V_{p2}	I_{p2}	I_{max} ×20	I_{max} ×2	P	W_{max} 2ms	T_{max}	UL& CUL
	(V)	(V)	(V)	(V)	(A)	(V)	(KA)	(KA)	(KA)	(W)	(J)	(mm)	
MYL-25K711	710 (639~781)	440	590	1190	150	1900	7	7	15	1.0	285	7.8	√
MYL-32K711				1190	200	1900	12	12	25	1.2	630		√
MYL-40K711				1190	300	1900	20	20	40	1.4	950		√
MYL3-40K711				1190	400	1900	25	25	50	1.5	1260		×
MYL-50K711				1190	500	1900	35	35	70	1.6	1580		×
MYL-40K711×2				1190	500	1900	35	35	70	1.6	1580	12.6	×
MYL3-40K711×2				1190	600	1900	40	40	80	1.7	1760		×
MYL-25K781	780 (702~858)	485	640	1290	150	2050	7	7	15	1.0	300	8.2	√
MYL-32K781				1290	200	2050	12	12	25	1.2	660		√
MYL-40K781				1290	300	2050	20	20	40	1.4	1000		√
MYL3-40K781				1290	400	2050	25	25	50	1.5	1300		×
MYL-50K781				1290	500	2050	35	35	70	1.6	1620		×
MYL-40K781×2				1290	500	2050	35	35	70	1.6	1620	13.5	×
MYL3-40K781×2				1290	600	2050	40	40	80	1.7	1820		×
MYL-25K821	820 (738~902)	510	670	1355	150	2200	7	7	15	1.0	310	8.5	√
MYL-32K821				1355	200	2200	12	12	25	1.2	680		√
MYL-40K821				1355	300	2200	20	20	40	1.4	1020		√
MYL3-40K821				1355	400	2200	25	25	50	1.5	1350		×
MYL-50K821				1355	500	2200	35	35	70	1.6	1680		×
MYL-40K821×2				1355	500	2200	35	35	70	1.6	1680	13.9	×
MYL3-40K821×2				1355	600	2200	40	40	80	1.7	1890		×
MYL-25K911	910 (819~1001)	550	745	1500	150	2400	7	7	15	1.0	340	9.0	×
MYL-32K911				1500	200	2400	12	12	25	1.2	700		×
MYL-40K911				1500	300	2400	20	20	40	1.4	1040		×
MYL3-40K911				1500	400	2400	25	25	50	1.5	1380		×
MYL-50K911				1500	500	2400	35	35	70	1.6	1700		×
MYL-40K911×2				1500	500	2400	35	35	70	1.6	1700	15.0	×
MYL3-40K911×2				1500	600	2400	40	40	80	1.7	1930		×

Note : “√” = certification achieved with the specific model. “×” = certification not achieved with the specific model.

◇ Ratings and Characteristics 5

Part No.	Varistor Voltage	Max. Continuous Voltage		Max.Clamping Voltage 1		Max. Clamping Voltage 2		Max. Peak Current (8/20us)		Rated Power	Max. Energy	Max. Thick-ness	Certifi-cation
	V	AC_{rms}	DC	V_{p1}	I_{p1}	V_{p2}	I_{p2}	I_{max} ×20	I_{max} ×2	P	W_{max} 2ms	T_{max}	UL& CUL
	(V)	(V)	(V)	(V)	(A)	(V)	(KA)	(KA)	(KA)	(W)	(J)	(mm)	
MYL-25K102	1000 (900~1100)	625	825	1650	150	2650	7	7	15	1.0	375	9.6	×
MYL-32K102				1650	200	2650	12	12	25	1.2	730		×
MYL-40K102				1650	300	2650	20	20	40	1.4	1080		×
MYL3-40K102				1650	400	2650	25	25	50	1.5	1410		×
MYL-50K102				1650	500	2650	35	35	70	1.6	1750		×
MYL-40K102×2				1650	500	2650	35	35	70	1.6	1750	16.1	×
MYL3-40K102×2				1650	600	2650	40	40	80	1.7	1970		×
MYL-25K112	1100 (990~1210)	680	895	1815	150	2900	7	7	15	1.0	390	10.2	×
MYL-32K112				1815	200	2900	12	12	25	1.2	760		×
MYL-40K112				1815	300	2900	20	20	40	1.4	1100		×
MYL3-40K112				1815	400	2900	25	25	50	1.5	1450		×
MYL-50K112				1815	500	2900	35	35	70	1.6	1800		×
MYL-40K112×2				1815	500	2900	35	35	70	1.6	1800	17.3	×
MYL3-40K112×2				1815	600	2900	40	40	80	1.7	2030		×

Note : “√” = certification achieved with the specific model. “×” = certification not achieved with the specific model.