



ORDERING CODE

JV R 07 N 181 K 6 5 Y AW

Joyin ZnO Varistor
久尹氧化鋅壓敏電阻

R / H = EPOXY Coating &
Operating Temperature 85°C
C = EPOXY Coating, Copper electrode &
Operating Temperature 85°C
T = Silicone Coating &
Operating Temperature 125°C

Element Size (disc dia.)
瓷片直徑別

05 = ϕ 5mm
07 = ϕ 7mm
10 = ϕ 10mm
14 = ϕ 14mm
20 = ϕ 20mm
25 = ϕ 25mm

Series 系列別

N=Standard 標準系列
S=High Surge 高突波電流系列
U=Ultra Surge 超高突波電流系列

Varistor Voltage 電壓值

The first two digits indicate voltage.
前兩位數字代表電壓

The third digit signifies the number of zeroes.
第三位數字代表電壓0的次數

for example 例如：

080=8V
180=18V
181=180V
182=1800V

Varistor Voltage Tolerance

壓敏電壓容許差

K = $\pm 10\%$
L = $\pm 15\%$
M = $\pm 20\%$
P = $\pm 25\%$

Lead Diameter
線徑

6 = $0.6 \pm 0.05\text{mm}$
8 = $0.8 \pm 0.05\text{mm}$
1 = $1.0 \pm 0.05\text{mm}$

Lead Length & Packaging
腳長及包裝方式

50 = $5 \pm 1.0\text{mm}$ for Straight lead
 $5 \pm 0.5\text{mm}$ for Kink lead

U4 = 24mm min. for Bulk and Kink lead

U5 = 25mm min. for Bulk and Straight lead

AW=H0 16mm for Ammo and Kink lead

AY = H0 20mm for Ammo and Straight lead

RW= H0 16mm for T/R and Kink lead

RY = H0 20mm for T/R and Straight lead

* Special spec per request.

Lead Style 腳型

Y=Vertical Kink Lead (standard)

P=Straight Lead

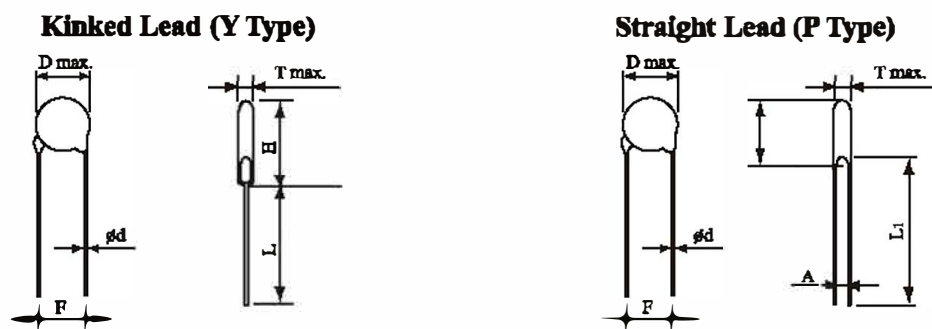
* Special lead styles per request

Lead Spacing 線距

5=5.0mm

7=7.5mm

1=10mm



Dimension Table

unit:mm

Diameter	5mm	7mm	10mm	14mm	20mm
D max.	7.5	9.0	12.5	16.5	23
d±0.05	0.6	0.6	0.8	0.8	1.0
F±1.0	5.0	5.0	7.5	7.5	10.0
H max.	11.0	13	18/*19	22/*23	28/*29
L ₁ min.	25.0	25.0	25.0	25.0	25.0
L min.	24.0	24.0	24.0	24.0	24.0

*Just for 182K

Table of T max., A & H₁ max.

unit:mm

Diameter	5mm			7mm			10mm			14mm			20mm		
Type No.	T max.	A±0.8	H ₁ max.	T max.	A±0.8	H ₁ max.	T max.	A±0.8	H ₁ max.	T max.	A±0.8	H ₁ max.	T max.	A±0.8	H ₁ max.
180M	4.5	0.8	10.5	4.5	0.8	12.0	4.9	0.8	15.5	5.0	0.9	19.5	-	-	-
220M/L	4.5	0.9	10.5	4.5	0.9	12.0	4.9	0.9	15.5	5.0	1.0	19.5	5.3	1.0	26.5
270M/K	4.7	0.9	10.5	4.7	0.9	12.0	5.1	0.9	15.5	5.2	1.1	19.5	5.4	1.1	26.5
330M/K	4.7	1.0	10.5	4.7	1.0	12.0	5.1	1.0	15.5	5.2	1.2	19.5	5.4	1.2	26.5
390L/K	4.7	1.2	10.5	4.7	1.2	12.0	5.1	1.2	15.5	5.2	1.4	19.5	5.4	1.4	26.5
470L/K	5.0	1.2	10.5	5.0	1.2	12.0	5.5	1.2	15.5	5.6	1.4	19.5	5.6	1.4	26.5
560L/K	5.0	1.4	10.5	5.0	1.4	12.0	5.5	1.4	15.5	5.6	1.6	19.5	5.6	1.6	26.5
680L/K	5.5	1.7	10.5	5.5	1.7	12.0	6.0	1.7	15.5	6.1	1.9	19.5	6.1	1.9	26.5
820K	3.8	0.8	10.5	3.8	0.8	12.0	4.3	0.8	15.5	4.4	1.0	19.5	5.0	1.1	26.5
101K	3.9	0.8	10.5	3.9	0.8	12.0	4.4	0.8	15.5	4.5	1.0	19.5	5.1	1.2	26.5
121K	4.1	0.9	10.5	4.1	0.9	12.0	4.5	0.9	15.5	4.6	1.1	19.5	5.3	1.3	26.5
151K	4.5	1.2	10.5	4.5	1.2	12.0	4.9	1.2	15.5	5.1	1.4	19.5	5.6	1.6	26.5
181K	4.1	1.0	10.5	4.1	1.0	12.0	4.5	1.0	15.5	4.7	1.2	19.5	5.2	1.4	26.5
201K	4.2	1.0	10.5	4.2	1.0	12.0	4.6	1.0	15.5	4.8	1.2	19.5	5.3	1.4	26.5
221K	4.3	1.1	10.5	4.3	1.1	12.0	4.7	1.1	15.5	4.9	1.3	19.5	5.4	1.5	26.5
241K	4.4	1.1	10.5	4.4	1.3	12.0	4.8	1.3	15.5	5.0	1.5	19.5	5.5	1.7	26.5
271K	4.6	1.3	10.5	4.6	1.4	12.0	5.0	1.4	15.5	5.2	1.5	19.5	5.7	1.9	26.5
301K	4.8	1.3	10.5	4.8	1.5	12.0	5.2	1.6	15.5	5.4	1.7	19.5	5.9	2.1	26.5
331K	4.9	1.3	10.5	4.9	1.5	12.0	5.3	1.6	15.5	5.5	1.7	19.5	6.0	2.1	26.5
361K	5.1	1.8	10.5	5.1	1.9	12.0	5.5	1.9	15.5	5.7	2.1	19.5	6.2	2.3	26.5
391K	5.3	2.0	11.0	5.3	2.0	12.5	5.7	2.2	16.0	5.9	2.2	20.0	6.4	2.4	26.5
431K	6.1	2.1	11.0	6.1	2.0	12.5	6.5	2.5	16.0	6.7	2.5	20.0	7.2	2.7	26.5
471K	6.4	2.2	11.0	6.4	2.3	12.5	6.8	2.6	16.0	7.0	2.7	20.0	7.5	2.9	27.0
511K	6.6	2.5	11.5	6.6	2.5	13.0	7.0	3.1	16.5	7.2	3.1	20.5	7.7	3.3	27.0
561K	6.9	2.8	11.5	6.9	2.8	13.0	7.3	3.4	16.5	7.5	3.4	20.5	8.0	3.6	27.0
621K	7.2	3.1	11.5	7.2	3.1	13.0	7.6	4.0	16.5	7.8	3.8	20.5	8.3	4.1	27.0
681K	7.5	3.4	11.5	7.5	3.4	13.0	8.0	4.4	16.5	8.2	4.1	20.5	8.7	4.4	27.0
751K	7.9	3.7	11.5	7.9	3.7	13.0	8.4	4.4	16.5	8.6	4.3	20.5	9.1	4.5	27.0
781K	-	-	-	8.1	3.9	13.0	8.6	4.6	16.5	8.8	4.6	20.5	9.3	4.8	27.0
821K	-	-	-	8.3	4.1	13.0	8.8	4.6	16.5	9.0	4.6	20.5	9.5	4.8	27.0
911K	-	-	-	-	-	-	9.4	5.4	16.5	9.6	5.4	20.5	10.1	5.7	27.0
102K	-	-	-	-	-	-	9.9	5.4	16.5	10.1	5.6	20.5	10.7	5.8	27.0
112K	-	-	-	-	-	-	10.5	5.7	16.5	10.7	6.1	20.5	11.2	6.3	27.0
122K	-	-	-	-	-	-	10.9	6.3	17	10.9	6.7	21	11.3	6.9	27.5
142K	-	-	-	-	-	-	11.9	7.4	17.5	11.9	7.8	21.5	12.8	8.0	28.0
162K	-	-	-	-	-	-	13.1	8.6	18.0	13.1	9.0	22.0	13.7	9.2	28.5
182K	-	-	-	-	-	-	14.3	9.8	18.5	14.3	10.2	22.5	14.7	10.4	29.0