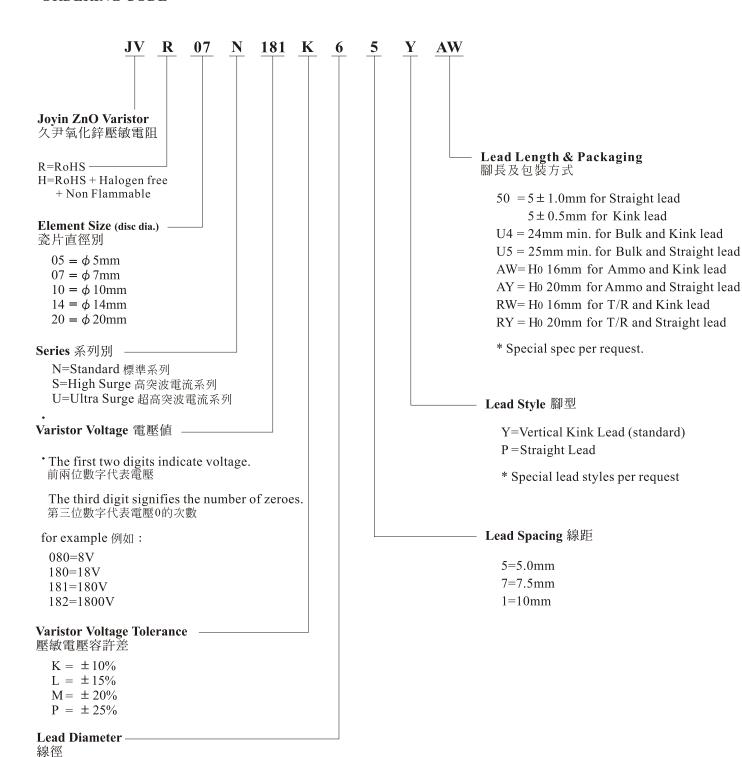
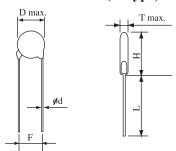


ORDERING CODE

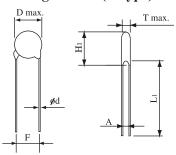
 $6 = 0.6 \pm 0.05$ mm $8 = 0.8 \pm 0.05$ mm $1 = 1.0 \pm 0.05$ mm



Kinked Lead (Y Type)



Straight Lead (P Type)



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	r 5mm			7mm			10mm			14mm			20mm		
Type No.	T max.	$A \pm 0.8$	H₁ max.	T max.	$A \pm 0.8$	H₁max.	T max.	$A \pm 0.8$	H₁ max.	T max.	$A \pm 0.8$	H1 max.	T max.	$A \pm 0.8$	Hı 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	-	-	-
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
182K	-	-	-	-	-	-	12.6	9.8	18.5	12.8	10.2	22.5	13.5	10.4	29.0



RATING AND CHARACTERISTICS

Standard Varistor - 7mm

Ordering Code	Varistor Voltage at 1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage	Withstanding Surge Current (8/20 μ s)		Rated Wattage	Energy (10/1000 μ s)	Certification (ref to p.20)
Code	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)	(W)	(J)	A. Q. LR _®
JV\$07N180M65□△△	18	± 20%	11	14	* 36				1.2	☆ ★
JV♦07N220L65 □△△	22	± 15%	14	18	* 43				1.4	☆ ★
JV♦07N270K65□△△	27		17	22	* 53	250	125	0.02	1.7	☆ ★
JV♦07N330K65□△△	33		20	26	* 65				2.2	☆ ★
JV�07N390K65□△△	39		25	31	* 77			0.02	2.4	☆ *
JV♦07N470K65□△△	47		30	38	* 93			-	3.0	☆ ★
JV�07N560K65□△△	56		35	45	* 110				3.5	☆ ★
JV\$07N680K65□ΔΔ	68		40	56	* 135				4.3	☆ ★
JV♦07N820K65□△△	82		50	65	135	1200 60			5.5	☆ ★
JV♦07N101K65□△△	100		60	85	165				7.0	☆ ★
JV♦07N121K65□△△	120		75	100	200				8.0	☆ ★
JV♦07N151K65□△△	150	± 10%	95	125	250		600	0.25	11.0	☆ ★
JV♦07N181K65□△△	180		115	150	300				13.0	☆ ★
JV♦07N201K65□△△	200		130	170	340				14.3	O☆★★
JV♦07N221K65□△△	220		140	180	360				15.5	②☆★★
JV♦07N241K65□△△	240		150	200	395				16.8	②☆★★
JV♦07N271K65□△△	270		175	225	455				19.8	②☆★★
JV♦07N301K65□△△	300		195	250	505				21.0	②☆★★
JV ♦ 07N331K65 □ △ △	330		210	275	550				23.0	②☆★★
JV ♦ 07N361K65 □ Δ Δ	360		230	300	595				26.0	○ ☆★★
JV�07N391K65□△△	390		250	320	650				30.0	○ ☆★★
JV♦07N431K65□△△	430		275	350	710				33.0	② ☆★★
JV♦07N471K65□△△	470		300	385	775				35.0	② ☆★★
JV♦07N511K65□ΔΔ	510		320	418	842				37.0	○ ☆★★
JV♦07N561K65□ΔΔ	560		350	460	920				39.0	② ☆★★
JV\$07N621K65□ΔΔ	620		385	505	1025				41.0	②☆★★
JV ♦ 07N681K65□△△	680		420	560	1120				43.0	○ ☆★★
JV�07N751K65□△△	750		460	615	1240				45.0	○ ☆★★
JV�07N781K65□△△	780		485	640	1290				46.0	○ ☆★★
JV♦07N821K65□△△	820		510	670	1355				47.0	② ☆★★

 \divideontimes The clamping voltage from 180M to 680K are tested at current 2.5 A.

 \diamondsuit : R=RoHS, H=RoHS+Halogen free +Non flammable

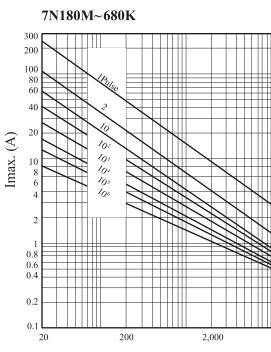
☐ : Lead Style (Y=Vertical kink, P=Straight)

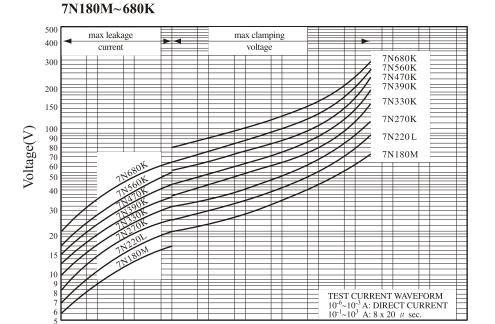
 $\triangle \triangle$: Lead Length & Packaging (see p.18)

 10^2

PULSE LIFETIME RATINGS -7mm

V-I CHARACTERISTIC CURVE -7mm

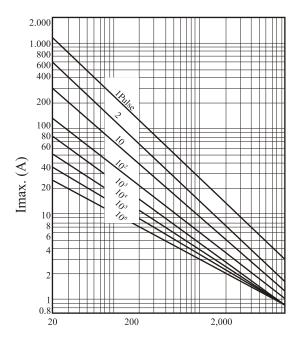




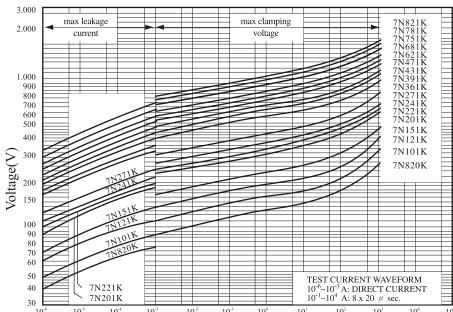
Current(A)

Rectangular Wave (μ sec.)

7N820K~821K



7N820K~821K



Rectangular Wave (μ sec.)

Current(A)