








Device Ratings and Characteristics														
Part No.	Device Marking	Maximum Allowable Voltage		Varistor Voltage (@1mA)			Clamping Voltage @ Test Current (@8/20µs)		Maximum Energy (@10/1000µs)	Maximum Peak Current (@8/20µs)	Rated Power	Typical Capacitance (@1KHz)	UL 1449 4th ,In @8/20µs	Related Standards Symbol
		ACrms(V)	DC(V)	Vn(Vdc)	Min.	Max.	Vc(V)	Ip(A)	(J)	(A)	(W)	(pF)	(KA)	
CNR-20D180K	20D180K	11	14	18	16	20	36	20	11	2000	0.2	40000	2	○
CNR-20D220K	20D220K	14	18	22	20	24	43	20	14	2000	0.2	30000		○
CNR-20D270K	20D270K	17	22	27	24	30	53	20	18	2000	0.2	24500		○
CNR-20D330K	20D330K	20	26	33	30	36	65	20	23	2000	0.2	20000		○
CNR-20D390K	20D390K	25	31	39	35	43	77	20	26	2000	0.2	13800		○
CNR-20D470K	20D470K	30	38	47	42	52	93	20	33	2000	0.2	13500		○
CNR-20D560K	20D560K	35	45	56	50	62	110	20	41	2000	0.2	12200		○
CNR-20D680K	20D680K	40	56	68	61	75	135	20	46	2000	0.2	11500		○
CNR-20D820K	20D820K	50	65	82	74	90	135	100	48	6500	1	8200	□	
CNR-20D101K	20D101K	60	85	100	90	110	165	100	51	6500	1	8000	□	
CNR-20D121K	20D121K	75	100	120	108	132	200	100	55	6500	1	5500	□	
CNR-20D151K	20D151K	95	125	150	135	165	250	100	70	6500	1	4200	□	
CNR-20D181K	20D181K	115	150	180	162	198	300	100	85	6500	1	2500	□	
CNR-20D201K	20D201K	130	170	200	180	220	340	100	95	6500	1	2300	◇	
CNR-20D221K	20D221K	140	180	220	198	242	360	100	100	6500	1	2200	◇	
CNR-20D241K	20D241K	150	200	240	216	264	395	100	108	6500	1	2200	◇	
CNR-20D271K	20D271K	175	225	270	243	297	455	100	127	6500	1	2100	◇	
CNR-20D301K	20D301K	195	250	300	270	330	500	100	150	6500	1	1800	◇	
CNR-20D331K	20D331K	215	275	330	297	363	550	100	163	6500	1	1750	◇	
CNR-20D361K	20D361K	230	300	360	324	396	595	100	163	6500	1	1700	◇	
CNR-20D391K	20D391K	250	320	390	351	429	650	100	180	6500	1	1400	◇	
CNR-20D431K	20D431K	275	350	430	387	473	710	100	190	6500	1	1350	◇	
CNR-20D471K	20D471K	300	385	470	423	517	775	100	220	6500	1	1200	◇	
CNR-20D511K	20D511K	320	410	510	459	561	845	100	220	6500	1	1050	◇	
CNR-20D561K	20D561K	350	460	560	504	616	915	100	220	6500	1	850	◇	
CNR-20D621K	20D621K	395	510	620	558	682	1020	100	220	6500	1	570	◇	
CNR-20D681K	20D681K	420	560	680	612	748	1120	100	230	6500	1	550	◇	
CNR-20D751K	20D751K	465	615	750	675	825	1235	100	255	6500	1	530	◇	
CNR-20D781K	20D781K	485	640	780	702	858	1290	100	265	6500	1	500	◇	
CNR-20D821K	20D821K	510	670	820	738	902	1355	100	282	6500	1	500	◇	
CNR-20D911K	20D911K	550	745	910	819	1001	1500	100	310	6500	1	480	◇	
CNR-20D102K	20D102K	625	825	1000	900	1100	1650	100	342	6500	1	460	◇	
CNR-20D112K	20D112K	680	895	1100	990	1210	1815	100	383	6500	1	400	◇	
CNR-20D182K	20D182K	1000	1465	1800	1620	1980	2950	100	620	6500	1	300	3	○

Related Standards

Symbols	○	□	◇					
Approval								

Reliability

Characteristics	Standard	Test Conditions	Specifications
Robustness of terminations	IEC 60068-2-21 Test Ua1	F = 10 N (d ≤ 0.8 mm) , F = 20 N (d = 1 mm)	$\Delta V/V \leq \pm 10\%$ No visible damage
Solderability	IEC 60068-2-20 Test Ta (Method 1)	T = 235±5°C, d = 2±0.5s	Approximately ≥ 95%
Resistance to soldering heat	IEC 60068-2-20 Test Tb (Method 1A)	T = 260±5°C, d = 10±1s	$\Delta V/V \leq \pm 10\%$ No visible damage
Shock	IEC 60068-2-27 Test Ea	Pulse shape: half-sine. a = 490 m/s ² , d = 11ms. N = 6 x 3 shocks	$\Delta V/V \leq \pm 10\%$ No visible damage
Vibration	IEC 60068-2-6 Test Fc Method B4	Frequency range: 10 Hz to 55 Hz ,a = 0.75 mm or 98 m/s ² (whichever is the less), d = 3x2 h	$\Delta V/V \leq \pm 10\%$ No visible damage
Needle flame test	IEC 60695-11-5	Severity: Vertical 10 s	Duration of burning: 5 s max.
Voltage under pulse condition	IEC 61051-2	At class current	As specified in specification
Voltage proof	IEC 61051-2	Metal balls method (4.8.1.2) 2500 V, 60 s	As specified in specification
Pulse current - 8/20 μs	IEC 61051-2	8/20 μs, 10 times, I peak=0.25*Imax	$\Delta V/V \leq \pm 10\%$ No visible damage
Pulse current - 10/1000 μs	IEC 61051-2	10/1000 μs, 10 times, Ipeak = 0.0075* Imax	$\Delta V/V \leq \pm 10\%$ No visible damage
Combination pulse	IEC 60950-1:2013 Annex Q	Additional test: 10 pulses (combination pulse 6KV/3KA), in one direction, 1 per min	$\Delta V/V \leq \pm 10\%$ No visible damage U ≤ 1.1 Uinitial Voltage proof:No breakdown or flashover
Rapid change of temperature	IEC 60068-2-14 Test Na	N = 5 cycles, d = 30 min , θA = -40±3°C, θB = 85±2°C	$\Delta V/V \leq \pm 10\%$ No visible damage
Climatic sequence	IEC 60068-2-2 Test Ba IEC 60068-2-30 Test Db IEC 60068-2-1 Test Aa IEC 60068-2-30 Test Db	Dry heat, Test Ba:16±2h, T = 85±2°C Damp heat, Test Db first cycle :24h, T = 55±2°C Cold, Test Aa :2h, T = -40±3°C Damp heat Test Ba remaining cycles:5 cycle	$\Delta V/V \leq \pm 10\%$ No visible damage RISO ≥ 100MΩ Voltage proof:No breakdown or flashover
Endurance at upper category temperature	IEC 61051-1 (4.21)	T:max temperature as specified , Duration: 1000 h, Voltage: max. a.c. voltage	$\Delta V/V \leq \pm 10\%$ No visible damage R ≥ 1000MΩ U ≤ 1,1 Uinitial

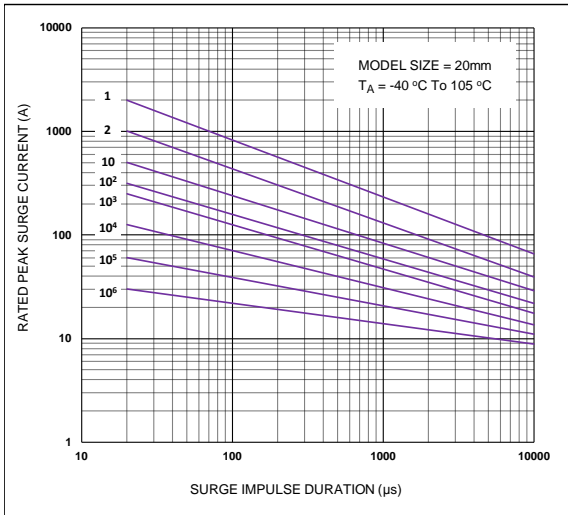
Reliability

Characteristics	Standard	Test Conditions	Specifications
Damp heat (Steady state)	IEC 60068-2-78 Test Ca	T = 40±2°C, RH = 93(+2/-3)%, 56d , 4 specimens:No voltage applied , Other 4 specimens:Applied voltage: 10% of the max. d.c. voltage	$\Delta V/V \leq \pm 10\%$ RISO $\geq 100M\Omega$
Maximum Peak Current	Specification Standard	I_{max} , 8/20 μ s, 1 time $\frac{V_{1mA \text{ at } 85^\circ C} - V_{1mA \text{ at } 25^\circ C}}{V_{1mA \text{ at } 25^\circ C}} \times \frac{1}{60} \times 100(\%/C)$	$-0.05 \leq TC \leq 0.05(\%/^\circ C)$
Nominal Discharge Current Test	UL1449 4th	Nominal Discharge Current (I_n), 8/20 μ s, 15 times	$\Delta V/V \leq \pm 10\%$ No visible damage
Varistor Voltage Temp. Coefficient	Specification Standard	V1mA at -40°C, 85°C, 25°C	$\Delta V/V \leq \pm 10\%$ No visible damage
High Temperature Storage	IEC60068-2-2	1000h, T = 85±2°C	$\Delta V/V \leq \pm 10\%$ No visible damage
Max. Energy	Specification Standard	10/1000 μ s, 1 times, Max. Energy	$\Delta V/V \leq \pm 10\%$ No visible damage
Operating duty cycle test *	UL 1449	6 kV/3 kA combination wave surges, phase angle of 90 (+0, -15) degrees, npositive polarity 8 times, negative polarity 7 times, interval of 60s.	$\Delta V/V \leq \pm 10\%$ No visible damage
Surge Immunity Test *	IEC 61000-4-5	4kV/2kA combination wave surges, phase angle of 90 (+0, -15) degrees, npositive polarity 20times, negative polarity 20times, interval of 60s.	$\Delta V/V \leq \pm 10\%$ No visible damage

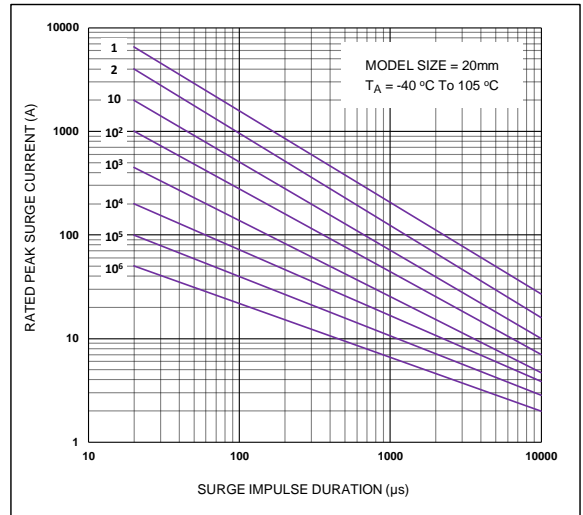
* (According to customer requirements to meet the test items)

Impulse Life Time Rating Curves

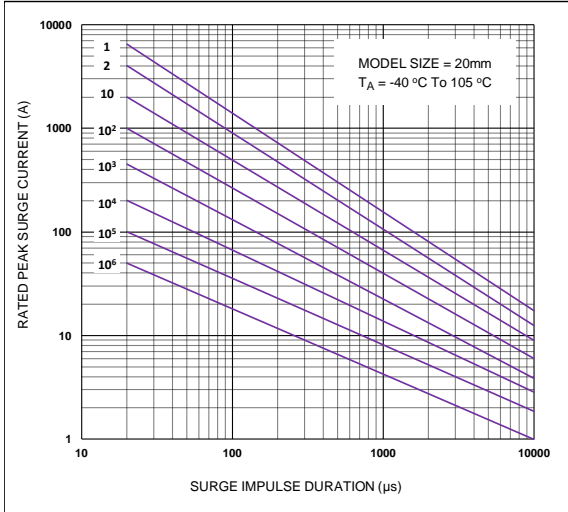
CNR-20D180K to CNR-20D680K



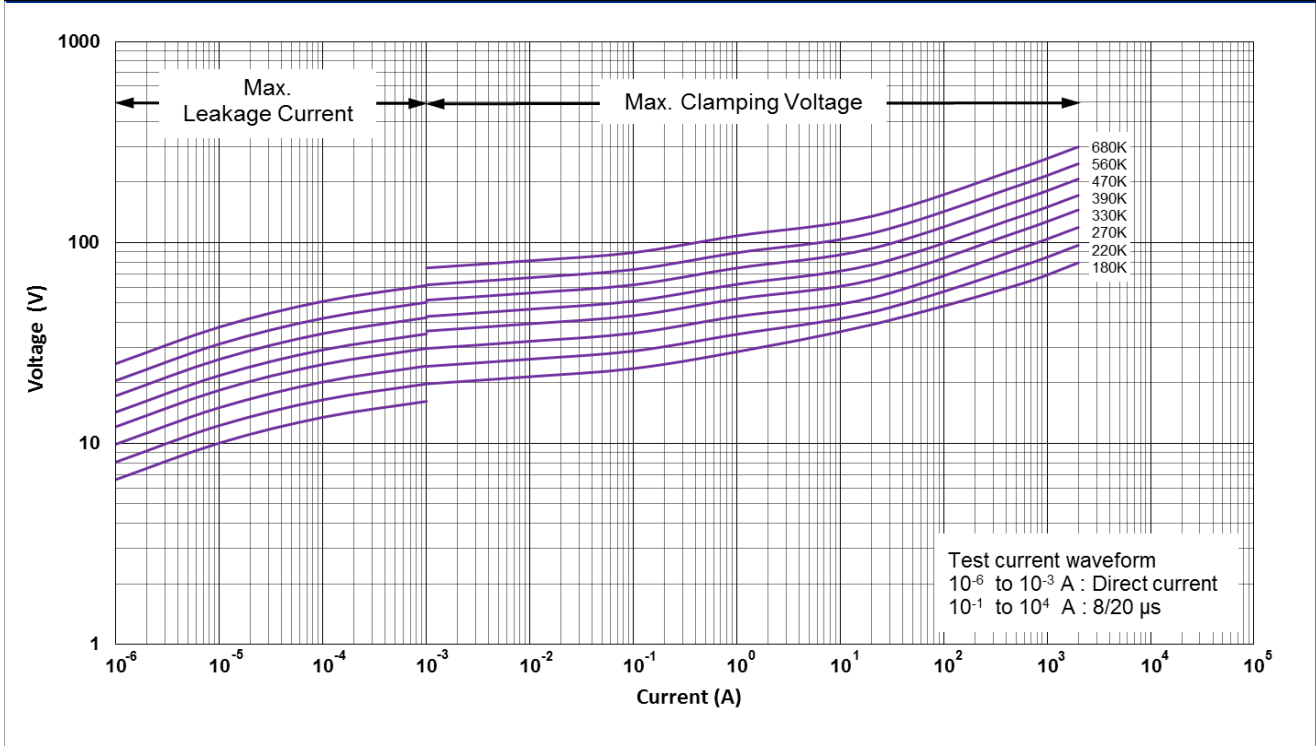
CNR-20D820K to CNR-20D751K



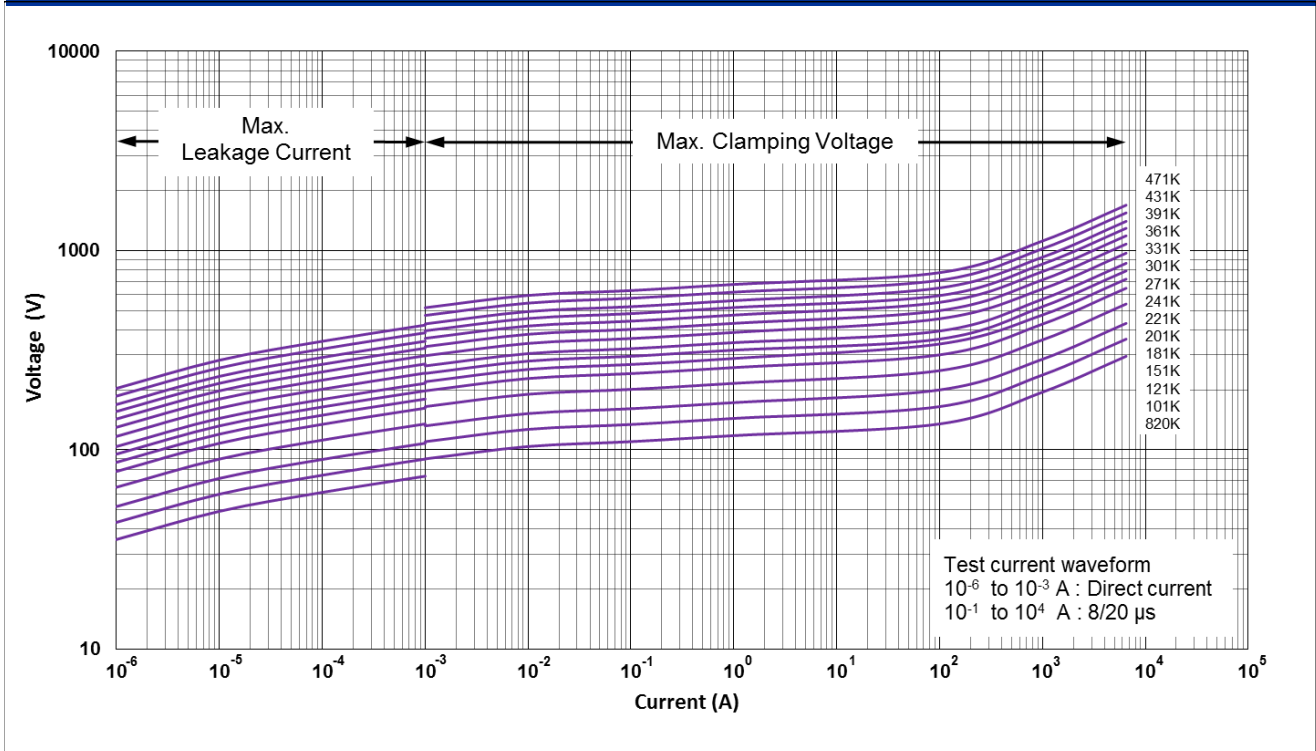
CNR-20D781K to CNR-20D182K



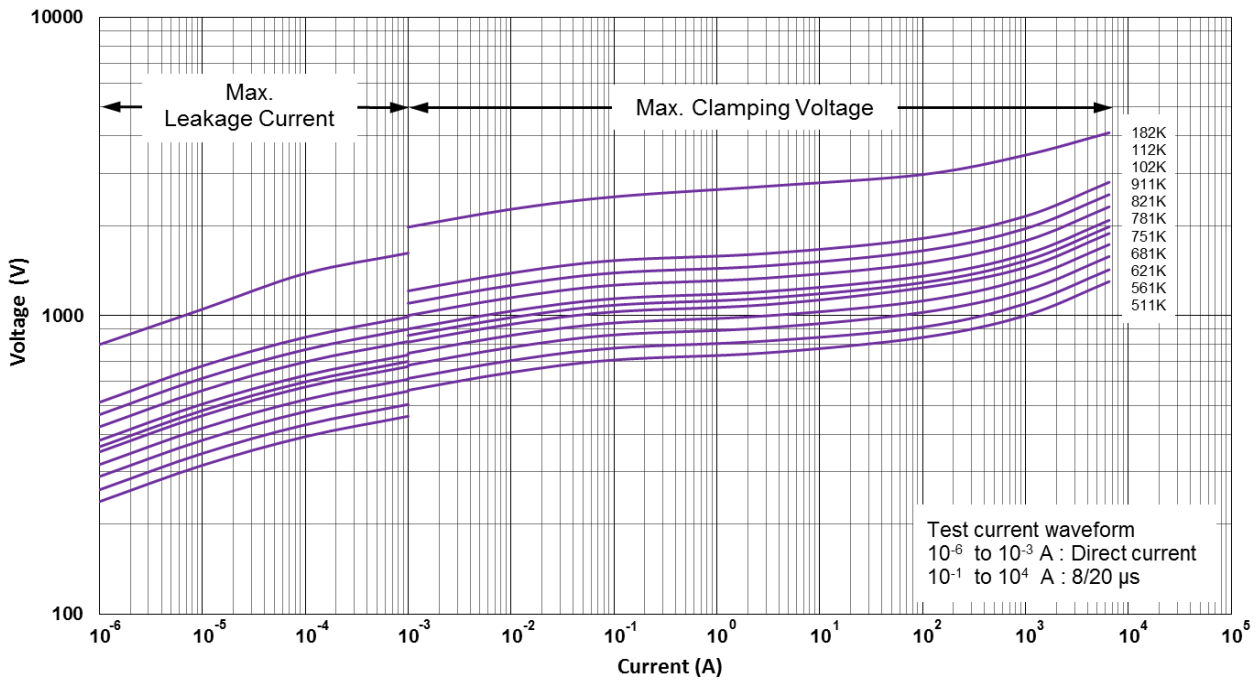
CNR-20D180K to CNR-20D680K V-I Curves



CNR-20D820K to CNR-20D471K V-I Curves

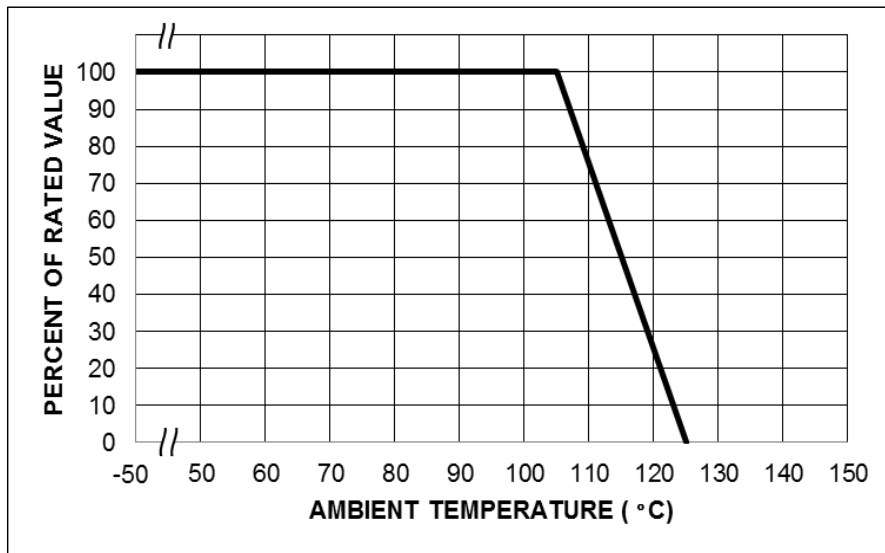


CNR-20D511K to CNR-20D182K V-I Curves

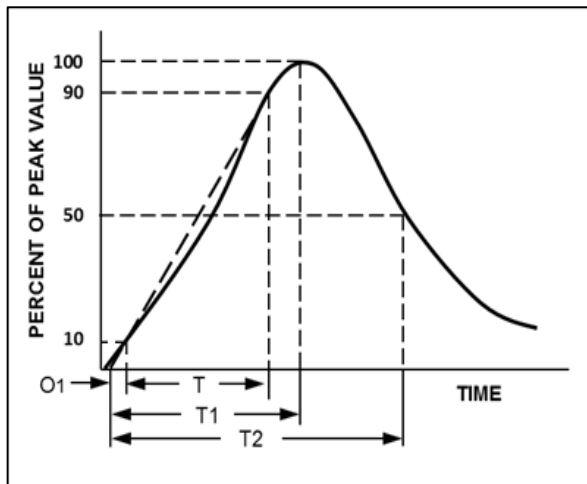


Power Derating Curve

Should transients occur in rapid succession, the average power dissipation is the energy (watt-seconds) per pulse times the number of pulses per second. The power so developed must be with the specifications shown on the Device Ratings and Specifications Table for the specific device. The operating values of a MOV need to be derated at high temperatures as shown above. Because varistors only dissipate a relatively small amount of average power they are not suitable for repetitive applications that involve substantial amounts of average power dissipation.



Surge Current Standard Waveform



O1 = Virtual Origin of Wave
 T = Time from 10% to 90% of Peak
 T1 = Rise Time = 1.25 x T
 T2 = Decay Time
 Example - For an 8/20 μs Current Waveform:
 8μs = T1 = Rise Time
 20μs = T2 = Decay Time

Product Dimensions

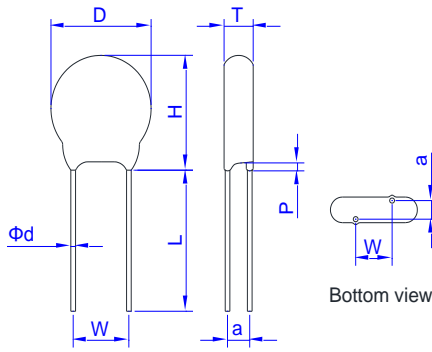


Fig 1. Straight Lead

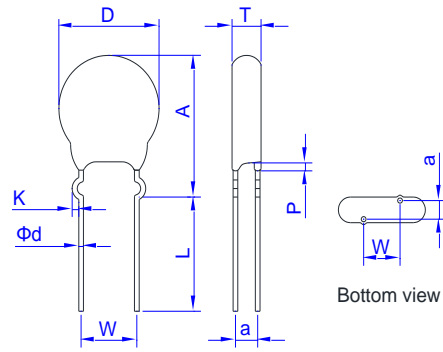


Fig 2. Outside Kink Lead

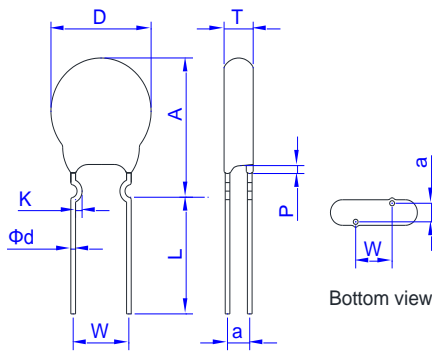


Fig 3. Inside Kink Lead

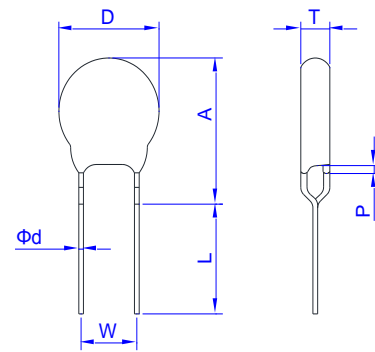


Fig 4. In Line Kink Lead

Dimension Table

Unit:mm

Symbol	Model size	05D		07D		10D		14D		18D		20D	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
D		5.5	7.5	7.5	9.0	10.5	14.0	13.5	17.5	18.5	23.0	19.5	25.0
H		-	10.0	-	12.0	-	17.0	-	20.5	-	26.0	-	28.0
W		4.0	6.0	4.0	6.0	6.5	8.5	6.5	8.5	6.5	8.5	9.0	11.0
Φd		0.55	0.65	0.55	0.65	0.75	0.85	0.75	0.85	0.75	0.85	0.95	1.05
P(max.)		3.0											
L(min)		25.0											
K(Kink Lead)		0.8	1.6	0.8	1.6	1.0	1.8	1.0	1.8	1.0	1.8	1.0	1.8
A(max.)	180K-271K	-	13.0	-	15.0	-	19.5	-	22.5	-	26.5	-	30.0
	>271K	-	13.0	-	15.0	-	20.5	-	23.5	-	27.0	-	31.0
T		See Tmax table											

* Short Cut Lead type TTX the lead length (L) can 3.0~15mm (expect 20D dia <10mm), see Ordering Note.

** a value see T max. table

T max. Table								Unit:mm							
Model	05D	07D	10D	14D	18D	20D	a(±1.0)	Model	05D	07D	10D	14D	18D	20D	a(±1.0)
180K	3.3	3.5	3.9	4.0	4.2	4.3	1.5	301K	3.9	4.1	4.3	4.4	4.6	4.7	1.9
220K	3.6	3.8	4.2	4.3	4.5	4.6	1.6	331K	4.0	4.2	4.5	4.6	4.8	4.9	2.0
270K	3.8	4.0	4.4	4.5	4.7	4.8	1.7	361K	4.1	4.3	4.7	4.8	5.0	5.1	1.7
330K	3.3	3.5	3.9	4.0	4.2	4.3	1.6	391K	4.2	4.4	4.8	4.9	5.1	5.2	1.8
390K	3.5	3.7	4.1	4.2	4.4	4.5	1.8	431K	4.4	4.6	5.0	5.1	5.3	5.4	1.9
470K	3.7	3.9	4.3	4.4	4.6	4.7	1.9	471K	4.6	4.8	5.2	5.3	5.5	5.6	2.0
560K	4.0	4.2	4.6	4.7	4.9	5.0	2.0	511K	4.8	5.0	5.3	5.4	5.6	5.7	2.2
680K	4.3	4.5	4.9	5.0	5.2	5.3	2.2	561K	5.0	5.2	5.5	5.6	5.8	5.9	2.3
820K	3.3	3.5	3.9	4.0	4.2	4.3	1.5	621K	5.3	5.5	5.7	5.8	6.0	6.1	2.5
101K	3.6	3.8	4.2	4.3	4.5	4.6	1.5	681K	5.4	5.6	5.8	5.9	6.1	6.2	2.7
121K	3.8	4.0	4.4	4.5	4.7	4.8	1.6	751K	5.6	5.8	6.0	6.1	6.3	6.4	2.9
151K	4.1	4.3	4.7	4.8	5.0	5.1	1.8	781K	-	6.0	6.3	6.4	6.6	6.7	3.0
181K	3.2	3.4	3.8	3.9	4.1	4.2	1.5	821K	-	6.3	6.5	6.6	6.8	6.9	3.1
201K	3.3	3.5	3.9	4.0	4.2	4.3	1.5	911K	-	-	6.6	6.7	6.9	7.0	3.5
221K	3.4	3.6	4.0	4.1	4.3	4.4	1.6	102K	-	-	7.0	7.1	7.3	7.4	3.8
241K	3.5	3.7	4.1	4.2	4.4	4.5	1.7	112K	-	-	7.4	7.5	7.7	7.9	4.1
271K	3.7	3.9	4.2	4.3	4.5	4.6	1.8	182K	-	-	11.3	11.5	-	11.9	6.0

Tape and Reel Specifications

● Radial devices on tape are supplied with straight leads or inline kink leads.



Straight Leads

Figure: A

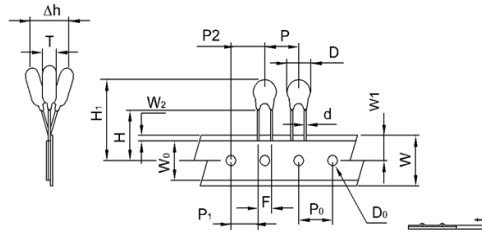


Figure: B

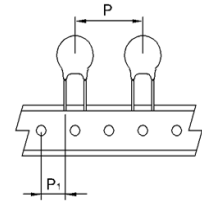
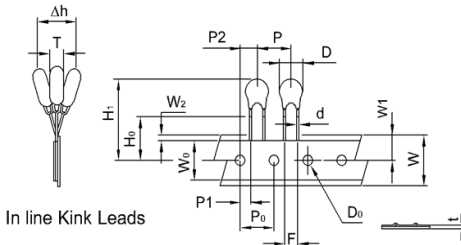


Figure: C



In line Kink Leads

Figure: D

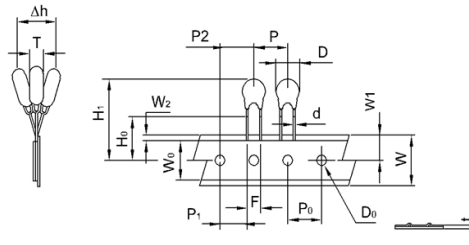


Figure: E

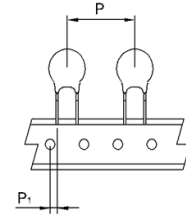


Figure: F

Symbol	Description	Model					
		05D	07D	10D	10D	14D	14D
P	Pitch of Component	12.7±1.0	12.7±1.0	12.7±1.0	15.0±1.0	25.4±1.0	30.0±1.0
P ₀	Feed Hole Pitch	12.7±0.2	12.7±0.2	12.7±0.2	15.0±0.2	12.7±0.2	15.0±0.2
P ₁	Feed Hole Center to Pitch	3.85±0.7	3.85±0.7	3.85±0.7	3.75±0.7	8.95±0.7	3.75±0.7
P ₂	Hole Center to Component Center	6.35±0.7	6.35±0.7	6.35±0.7	7.5±0.7	12.7±0.7	7.5±0.7
F	Lead to Lead Distance	5.0±0.8	5.0±0.8	7.5±0.8	7.5±0.8	7.5±0.8	7.5±0.8
Δh	Component Alignment	2.0max	2.0max	2.0max	2.0max	2.0max	2.0max
W	Tape Width	18.0+1.0	18.0+1.0	18.0+1.0	18.0+1.0	18.0+1.0	18.0+1.0
		18.0-0.5	18.0-0.5	18.0-0.5	18.0-0.5	18.0-0.5	18.0-0.5
W ₀	Hold Down Tape Width	5.0 Min.	5.0 Min.	5.0 Min.	5.0 Min.	5.0 Min.	5.0 Min.
W ₁	Hole Position	9.0+0.75	9.0+0.75	9.0+0.75	9.0+0.75	9.0+0.75	9.0+0.75
		9.0-0.5	9.0-0.5	9.0-0.5	9.0-0.5	9.0-0.5	9.0-0.5
W ₂	Hold Down Tape Position	3.0 Max	3.0 Max	3.0 Max	3.0 Max	3.0 Max	3.0 Max
H	Height from Tape Center to Component Base	18.0+2.0	18.0+2.0	18.0+2.0	18.0+2.0	18.0+2.0	18.0+2.0
		18.0-0.0	18.0-0.0	18.0-0.0	18.0-0.0	18.0-0.0	18.0-0.0
H ₀	Seating Plane Height	16.0±0.5	16.0±0.5	16.0±0.5	16.0±0.5	16.0±0.5	16.0±0.5
H ₁	Component Height	29.0 Max.	32.0 Max.	36.0 Max.	36.0 Max.	40.0 Max.	40.0 Max.
D ₀	Feed Hole Diameter	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2
t	Total Tape Thickness	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2
L	Leagth Clipped Lead	11.0 Max	11.0 Max	11.0 Max	11.0 Max	11.0 Max	11.0 Max
Figure		A, D	A, D	B, E	A, D	C	F

Tape and Reel Specifications

● Radial devices on tape are supplied with inside kink leads or outside kink leads.

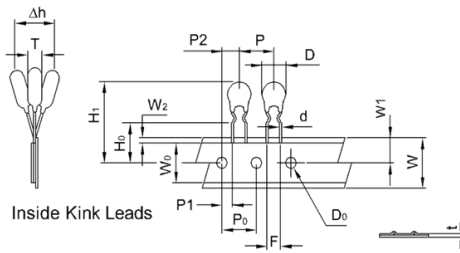


Figure: A

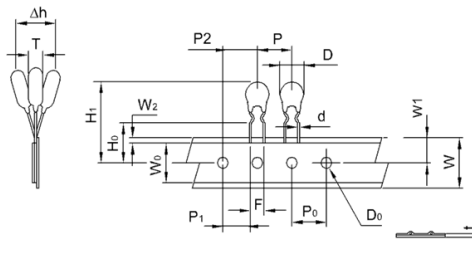


Figure: B

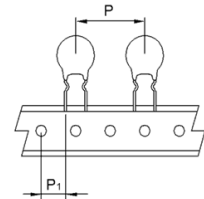


Figure: C

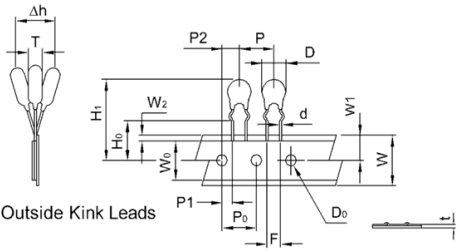


Figure: D

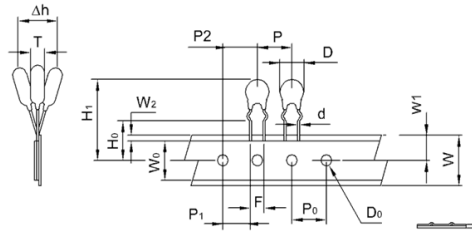


Figure: E

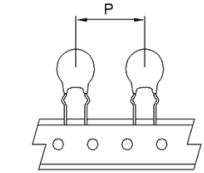


Figure: F

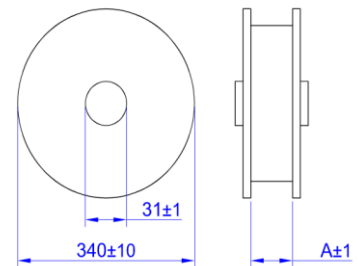
Symbol	Description	Model					
		05D	07D	10D	10D	14D	14D
P	Pitch of Component	12.7±1.0	12.7±1.0	12.7±1.0	15.0±1.0	25.4±1.0	30.0±1.0
P ₀	Feed Hole Pitch	12.7±0.2	12.7±0.2	12.7±0.2	15.0±0.2	12.7±0.2	15.0±0.2
P ₁	Feed Hole Center to Pitch	3.85±0.7	3.85±0.7	3.85±0.7	3.75±0.7	8.95±0.7	3.75±0.7
P ₂	Hole Center to Component Center	6.35±0.7	6.35±0.7	6.35±0.7	7.5±0.7	12.7±0.7	7.5±0.7
F	Lead to Lead Distance	5.0±0.8	5.0±0.8	7.5±0.8	7.5±0.8	7.5±0.8	7.5±0.8
Δh	Component Alignment	2.0max	2.0max	2.0max	2.0max	2.0max	2.0max
W	Tape Width	18.0+1.0	18.0+1.0	18.0+1.0	18.0+1.0	18.0+1.0	18.0+1.0
		18.0-0.5	18.0-0.5	18.0-0.5	18.0-0.5	18.0-0.5	18.0-0.5
W ₀	Hold Down Tape Width	5.0 Min.	5.0 Min.	5.0 Min.	5.0 Min.	5.0 Min.	5.0 Min.
W ₁	Hole Position	9.0+0.75	9.0+0.75	9.0+0.75	9.0+0.75	9.0+0.75	9.0+0.75
		9.0-0.5	9.0-0.5	9.0-0.5	9.0-0.5	9.0-0.5	9.0-0.5
W ₂	Hold Down Tape Position	3.0 Max	3.0 Max	3.0 Max	3.0 Max	3.0 Max	3.0 Max
H	Height from Tape Center to Component Base	18.0+2.0	18.0+2.0	18.0+2.0	18.0+2.0	18.0+2.0	18.0+2.0
		18.0-0.0	18.0-0.0	18.0-0.0	18.0-0.0	18.0-0.0	18.0-0.0
H ₀	Seating Plane Height	16.0±0.5	16.0±0.5	16.0±0.5	16.0±0.5	16.0±0.5	16.0±0.5
H ₁	Component Height	29.0 Max.	32.0 Max.	36.0 Max.	36.0 Max.	40.0 Max.	40.0 Max.
D ₀	Feed Hole Diameter	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2
t	Total Tape Thickness	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2
L	Leagth Clipped Lead	11.0 Max	11.0 Max	11.0 Max	11.0 Max	11.0 Max	11.0 Max
Figure		A, D	A, D	B, E	A, D	C	F

Packing information
Bulk packing

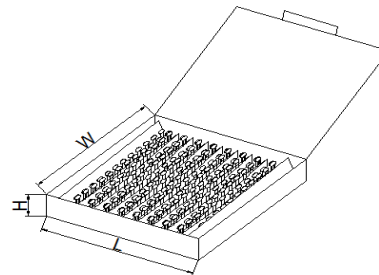
Series	Straight Lead Type Quantity(pcs/bag)	Cut Lead Type Quantity(pcs/bag)	Kink Type Quantity(pcs/bag)
CNR-05D	1000	1000	1000
CNR-07D	1000	1000	1000
CNR-10D	500	500	500
CNR-14D	500	500	500
CNR-18D	500	500	500
CNR-20D	250	250	250

Tape & Reel product packing

Series	A (mm)	Quantity (pcs/reel)
CNR-05D(180K~391K)-TRXX	43	2000
CNR-05D(431K~751K)-TRXX		1500
CNR-07D(180K~391K)-TRXX		2000
CNR-07D(431K~821K)-TRXX		1500
CNR-10D(180K~621K)-TRXX		1000
CNR-10D(681K~112K)-TRXX		800
CNR-14D(180K~391K)-TRXX	56	800
CNR-14(D431K~621K)-TRXX		700
CNR-14D(681K~112K)-TRXX		600

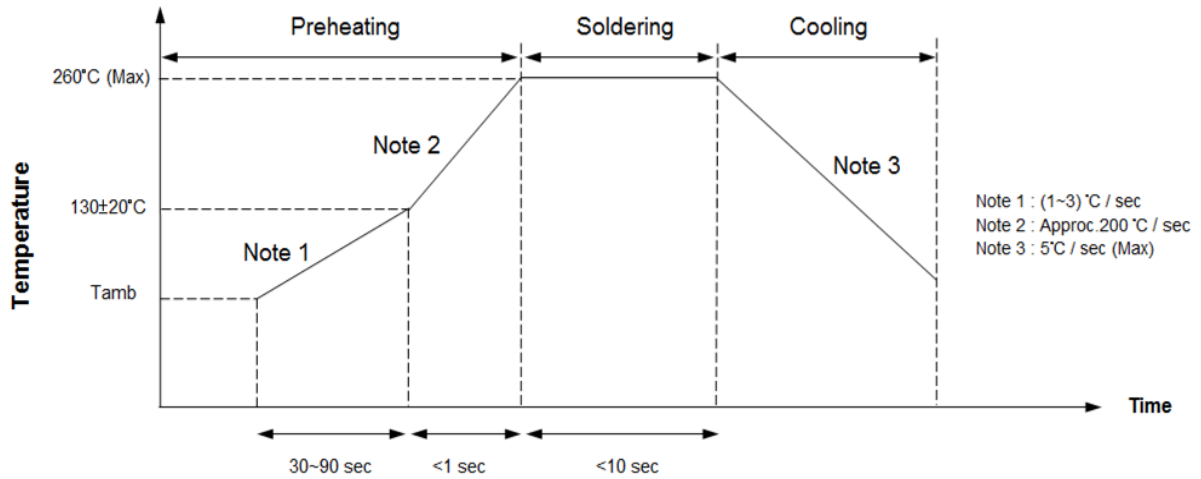

Box product packing

Series	Quantity (pcs/box)
CNR-05D(180K~621K)-BTXX	1000
CNR-05D(681K~751K)-BTXX	800
CNR-07D(180K~621K)-BTXX	1000
CNR-07D(681K~821K)-BTXX	800
CNR-10D(180K~621K)-BTXX	1000
CNR-10D(681K~112K)-BTXX	800
CNR-14D(180K~621K)-BTXX	500
CNR-14D(681K~112K)-BTXX	400



Series	L±5	W±5	H±5
CNR-05~07D	340	245	45
CNR-10~14D	340	245	50

Solder Recommendation



Recommendation Reworking Conditions with Soldering Iron

Item	Conditions
Temperature of soldering Iron-tip	360°C (Max)
Soldering Time	3 sec(Max)
Distance from Varistor	2mm(Min)

RoHS Compliant Declaration

We hereby declare that the components delivered to your company are compliant with RoHS Directive 2002/95/EC

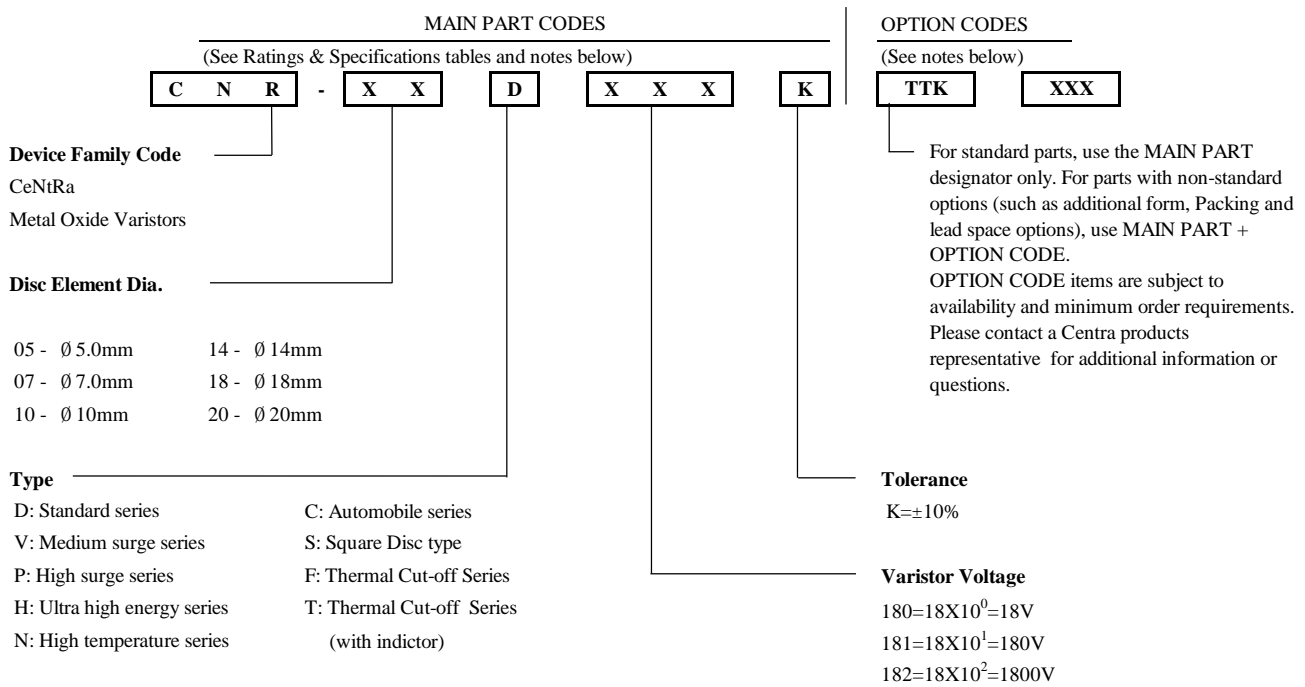
Storage Conditions of Products

(I) Storage Conditions:

- 1.Storage Temperature: -10°C ~+40°C
- 2.Relative Humidity: ≤ 75%RH
- 3.Keep away from corrosive atmosphere and sunlight
- 4.Solvent Resistance: MIL-STD-202, Method 215F
- 5.Moisture Sensitivity: Level 1, J-STD-020

(II) Period of Storage: 1 year

Explanation of Part Numbers



Ordering Notes:

MAIN PART CODES

Series + /Packaging/ Lead Style / Designators:

Ordering examples:

Straight Lead Bulk Pack (Standard) CNR-10D471K	Straight Lead (Short Cut) Bulk Pack CNR-10D471KTTSXXX	Straight Lead Tape & Reel Pack CNR-10D471KTRSX	Straight Lead Flat Box Pack CNR-10D471KBTSX
Outside Kink Lead Bulk Pack CNR-10D471SOK	Outside Kink Lead (Short Cut) Bulk Pack CNR-10D471KTTKXXX	Outside Kink Lead Tape & Reel Pack CNR-10D471KTRKX	Outside Kink Lead Flat Box Pack CNR-10D471KBTkX
Inside Kink Lead Bulk Pack CNR-10D471KSIK	Inside Kink Lead (Short Cut) Bulk Pack CNR-10D471KTTIXXX	Inside Kink Lead Tape & Reel Pack CNR-10D471KTRIX	Inside Kink Lead Flat Box Pack CNR-10D471KBTIX
In Line Kink Lead Bulk Pack CNR-10D471KSHK	In Line Kink Lead (Short Cut) Bulk Pack CNR-10D471KTTTHXXX	In Line Kink Lead Tape & Reel Pack CNR-10D471KTRHX	In Line Kink Lead Flat Box Pack CNR-10D471KBTTHX

Option Code

+ XXX

Short Cut Lead Length 10mm±1.0mm CNR-10D471KTTS10
Tape & Reel Pack Feed Hole Pitch CNR-10D471KTRSA CNR-10D471KTRSB

A: P₀ → 12.7mm±0.2mm
B: P₀ → 15.0mm±0.2mm