

Varistor

Surge Protective Device

Surge Protective Device
A&B&G Series

GAS Discharge Tube

PRODUCTS

PRODUCTS / VARISTOR



07D

Product Overview

Varistor are voltage dependent, nonlinear device which have an electrical behavior similar to back-to-back zener diodes. CNR series zinc oxide varistor are nonlinear resistors, consisting main of zinc oxide and several kinds of metal oxide additive. They are bilateral and symmetrical V-I characteristics curve and unparalleled large peak current capability are used for absorption of transient voltage, suppression of pulse noise and circuit voltage stabilization.

Part No.	Maximum Allowable Voltage		Varistor Voltage (@0.1mA)			Clamping Voltage @ Test Current (8/20µs)		Maximum Energy (J)	Maximum Peak Current (8/20µs) (A)	Rated Power (W)	Typical Capacitance (@1KHz) (pF)	Standards
	ACrms(V)	DC(V)	Min.	Vb(Vdc)	Max.	Vc(V)	Ip(A)					
CNR-07D180K	11	14	14.4	18	21.6	42	2.5	0.9	250	0.02	3800	
CNR-07D220K	14	18	18.7	22	26	47	2.5	1.1	250	0.02	3600	
CNR-07D270K	17	22	23	27	31.1	53	2.5	1.4	250	0.02	3400	
CNR-07D330K	20	26	29.5	33	36.5	65	2.5	1.7	250	0.02	2900	
CNR-07D390K	25	31	35	39	43	77	2.5	2.1	250	0.02	1600	
CNR-07D470K	30	38	42	47	52	93	2.5	2.5	250	0.02	1550	
CNR-07D560K	35	45	50	56	62	110	2.5	3.1	250	0.02	1500	
CNR-07D680K	40	56	61	68	75	135	2.5	3.6	250	0.02	1200	

CNR-07D820K	50	65	74	82	90	135	10	5.5	1200	0.25	860
CNR-07D101K	60	85	90	100	110	165	10	6.5	1200	0.25	750
CNR-07D121K	75	100	108	120	132	200	10	7.8	1200	0.25	530
CNR-07D151K	95	125	135	150	165	250	10	9.7	1200	0.25	410
CNR-07D181K	115	150	162	180	198	300	10	11.7	1200	0.25	300
CNR-07D201K	130	170	185	200	225	340	10	13.0	1200	0.25	250
CNR-07D221K	140	180	198	220	242	360	10	14.0	1200	0.25	250
CNR-07D241K	150	200	216	240	264	395	10	15.0	1200	0.25	240
CNR-07D271K	175	225	247	270	303	455	10	18.0	1200	0.25	220
CNR-07D301K	195	250	270	300	330	500	10	20.0	1200	0.25	190
CNR-07D331K	210	275	297	330	363	550	10	25.0	1200	0.25	180
CNR-07D361K	230	300	324	360	396	595	10	25.0	1200	0.25	170
CNR-07D391K	250	320	351	390	429	650	10	25.0	1200	0.25	160
CNR-07D431K	275	350	387	430	473	710	10	28.0	1200	0.25	150
CNR-07D471K	300	385	423	470	517	775	10	30.0	1200	0.25	130
CNR-07D511K	320	410	459	510	561	845	10	30.0	1200	0.25	120
CNR-07D561K	350	460	504	560	616	915	10	30.0	1200	0.25	120
CNR-07D621K	385	505	558	620	682	1025	10	30.0	1200	0.25	120
CNR-07D681K	420	560	612	680	748	1120	10	30.0	1200	0.25	110
CNR-07D751K	460	615	675	750	825	1240	10	33.0	1200	0.25	100
CNR-07D781K	485	640	702	780	858	1290	10	37.0	1200	0.25	90
CNR-07D821K	510	670	738	820	902	1355	10	40.0	1200	0.25	90

Related Standards				
Standard No.	UL 1414	UL 1449(2nd Edition)	CSA	VDE
Title	Across-The-Line	Transient Voltage	Accessories and Parts	Varistors for use in
	Components	Surge Suppressors	for Electronic Products	Electronic equipment
File No.	E165143	E150709	LR109736-1	21557-4790-001
Symbols				

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