

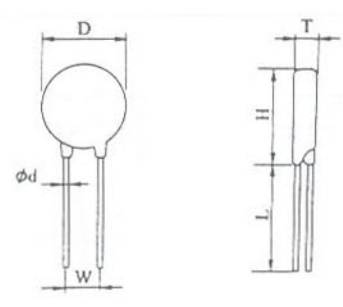
DNR[®] Transient/Surge Absorbers

7D Series

Model No	MAX. Applied Voltage		MAX. Energy	MAX. Peak Current	Rated Wattage	Clamping Voltage		Varistor Voltage	Typical Capacitance			
	(continuous)		(2ms)	(8/20 μ s)				V _{1mA}	IKHz			
	ACrms (V)	DC(V)	(J)	(A)	(W)	(A)	(V)	(V)	(pF)			
DNR7D180K DNR7D220K	11 14	14 18	0.8 0.9	250/1 time 125/2 times	0.02	2.5	36 43	18 (16-20) 22 (20-24)	3500 2800			
DNR7D270K DNR7D330K	17 20	22 26	1.0 1.2				53 65	27 (24-30) 33 (30-36)	2000 1500			
DNR7D390K DNR7D470K	25 30	31 38	1.5 1.8				77 93	39 (35-43) 47 (42-52)	1350 1150			
DNR7D560K DNR7D680K	35 40	45 56	2.2 2.5				110 135	56 (50-62) 68 (61-75)	950 700			
DNR7D820K DNR7D101K	50 60	65 85	3.5 4.0				1200/1 time 600/2 times	0.25	10	135 165	82 (74-90) 100 (90-110)	550 500
DNR7D121K DNR7D151K	75 95	100 125	5.0 6.0							200 250	120 (108-132) 150 (135-165)	450 350
DNR7D181K DNR7D201K	115 130	150 170	8.0 10.0	300 340	180 (162-198) 200 (180-220)	290 250						
DNR7D221K DNR7D241K	140 150	180 200	10.0 10.0	360 395	220 (198-242) 240 (216-264)	250 200						
DNR7D271K DNR7D331K	175 210	225 275	12.0 14.0	455 550	270 (243-297) 330 (297-363)	170 145						
DNR7D361K DNR7D391K	230 250	300 320	15.0 17.0	595 650	360 (324-396) 390 (351-429)	130 130						
DNR7D431K DNR7D471K	275 300	350 385	20.0 20.0	710 775	430 (387-473) 470 (423-517)	110 100						

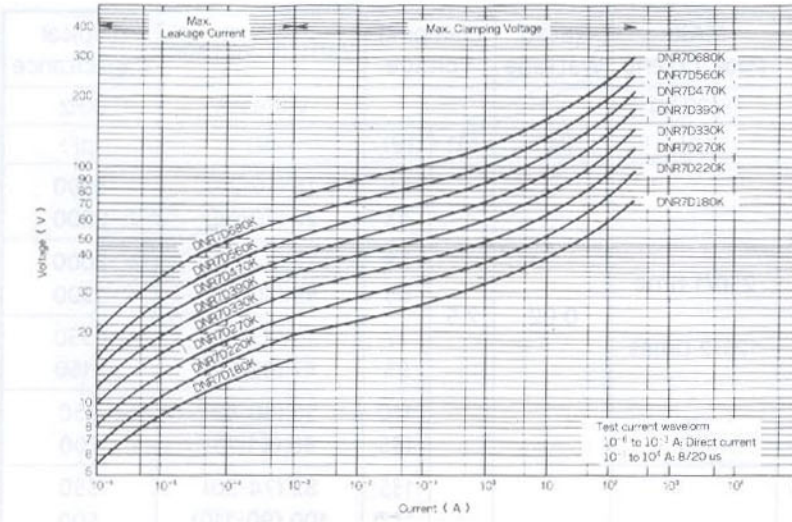
Operating Temperature: - 40 °C ~ +85 °C
Storage Temperature: - 50 °C ~ +125 °C

Dimensions

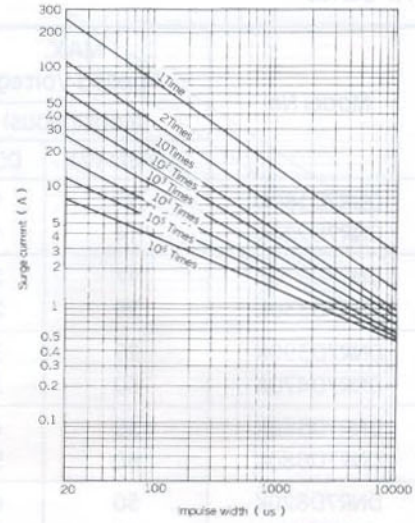
Model No.	T MAX.	D MAX.	H MAX.	W ± 1.0	L Min	ϕ d	Dimensions (mm)
DNR7D180K DNR7D271K	4.6	9.0	12.0	5.0	25	0.6	
DNR7D331K DNR7D471K							

DNR[®] Transient/Surge Absorbers

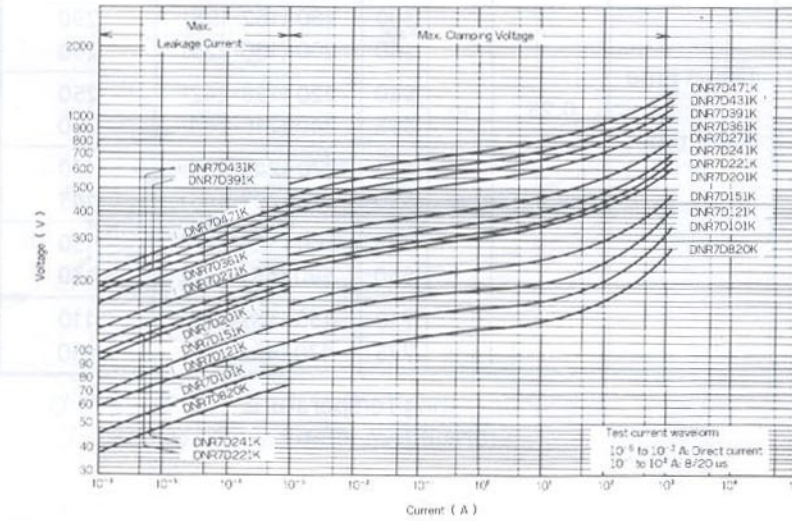
V-I Curve DNR7D180K to DNR7D680K



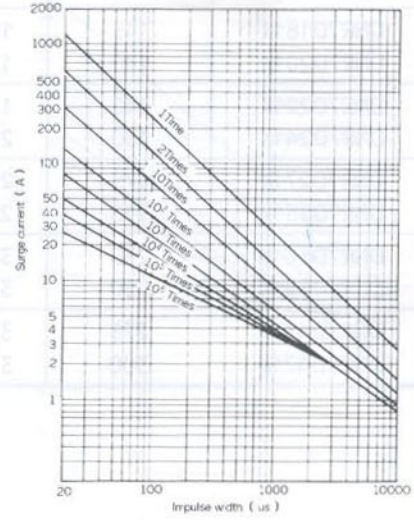
PULSE LIFE TIME RATINGS



V-I Curve DNR7D820K to DNR7D471K



PULSE LIFE TIME RATINGS



Model	Max. Voltage (V)	Max. Current (A)	Max. Surge Current (A)	Max. Impulse Width (us)
DNR7D680K	400	10	300	10000
DNR7D560K	300	10	200	10000
DNR7D470K	200	10	150	10000
DNR7D390K	150	10	100	10000
DNR7D330K	100	10	70	10000
DNR7D270K	70	10	50	10000
DNR7D220K	50	10	35	10000
DNR7D180K	30	10	25	10000
DNR7D471K	1000	10	500	10000
DNR7D431K	800	10	400	10000
DNR7D391K	600	10	300	10000
DNR7D381K	500	10	250	10000
DNR7D271K	400	10	200	10000
DNR7D241K	300	10	150	10000
DNR7D221K	250	10	120	10000
DNR7D201K	200	10	100	10000
DNR7D151K	150	10	70	10000
DNR7D121K	100	10	50	10000
DNR7D101K	70	10	35	10000
DNR7D820K	50	10	25	10000