

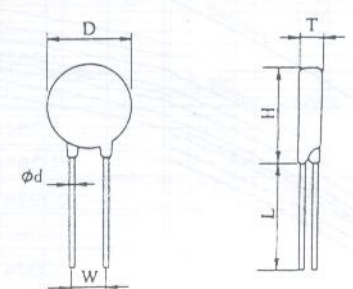
# DNR<sup>®</sup> Transient/Surge Absorbers

20D Series

Model No	MAX. Applied Voltage		MAX. Energy	MAX. Peak Current	Rated Wattage	Clamping Voltage		Varistor Voltage	Typical Capacitance
	(continuous)		(2ms)	(8/20 $\mu$ s)		(A)	(V)	V <sub>0.1mA</sub>	KHz
	ACrms (V)	DC(V)	(J)	(A)				(W)	(V)
DNR20D180K	11	14	10	2000/1 time	0.2	20	36	18 (16-20)	37000
DNR20D220K	14	18	13				43	22 (20-24)	30000
DNR20D270K	17	22	15				53	27 (24-30)	22000
DNR20D330K	20	26	20				65	33 (30-36)	17000
DNR20D390K	25	31	24				77	39 (35-43)	15000
DNR20D470K	30	38	30				93	47 (42-52)	13000
DNR20D560K	35	45	35				110	56 (50-62)	11000
DNR20D680K	40	56	40				135	68 (61-75)	7000
DNR20D820K	50	65	27				135	82 (74-90)	5500
DNR20D101K	60	85	30				165	100 (90-110)	4800
DNR20D121K	75	100	40	200	120 (108-132)	3800			
DNR20D151K	95	125	50	250	150 (135-165)	3000			
DNR20D181K	115	150	60	300	180 (162-198)	2400			
DNR20D201K	130	170	70	340	200 (180-220)	2000			
DNR20D221K	140	180	75	360	220 (198-242)	2000			
DNR20D241K	150	200	80	395	240 (216-264)	1800			
DNR20D271K	175	225	90	455	270 (243-297)	1600			
DNR20D331K	210	275	105	550	330 (297-363)	1350			
DNR20D361K	230	300	120	595	360 (324-396)	1200			
DNR20D391K	250	320	130	650	390 (351-429)	1000			
DNR20D431K	275	350	140	710	430 (387-473)	900			
DNR20D471K	300	385	150	775	470 (423-517)	900			
DNR20D561K	350	455	150	925	560(504-616)	660			
DNR20D621K	385	505	150	1025	620(558-682)	500			
DNR20D681K	420	560	160	1120	680(612-748)	460			
DNR20D751K	460	615	175	1240	750(675-825)	420			
DNR20D781K	485	640	180	1290	780(702-858)	420			
DNR20D821K	510	670	190	1355	820(738-902)	400			
DNR20D911K	550	745	215	1500	910(819-1001)	350			
DNR20D102K	625	825	230	1650	1000(900-1100)	320			
DNR20D112K	680	895	250		1815	1100(990-1210)	300		
DNR20D182K	1000	1465	400		2970	1800(1620-1980)	200		

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

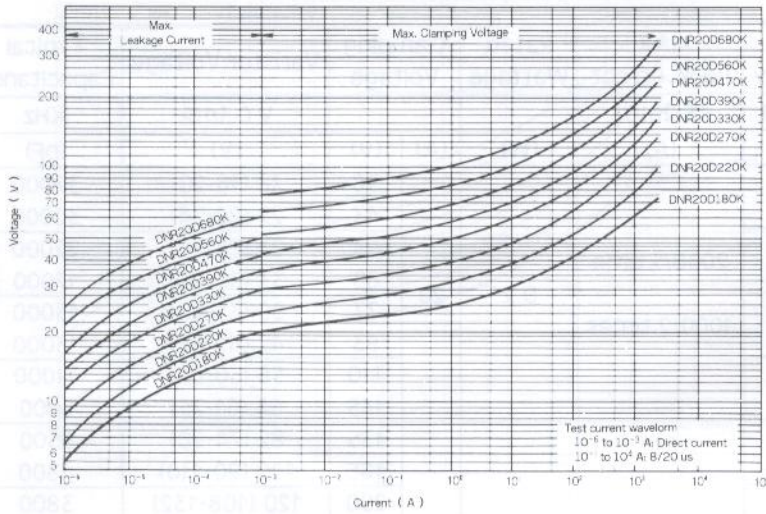
## Dimensions

Model No.	T MAX.	D MAX.	H MAX.	W $\pm 1.0$	L Min	$\phi d$	Dimensions (mm)
DNR20D180K	5.5	23.0	27.0	10.0	25	1.0	
DNR20D271K			28.0				
DNR20D361K			28.0				
DNR20D112K	9.0	24.0	28.0				
DNR20D182K	15.0	26.0	30.0				

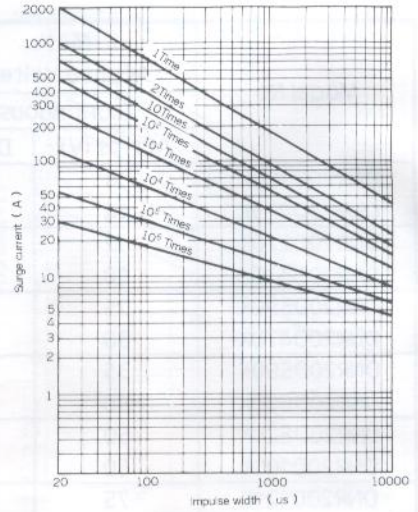


# DNR<sup>®</sup> Transient/Surge Absorbers

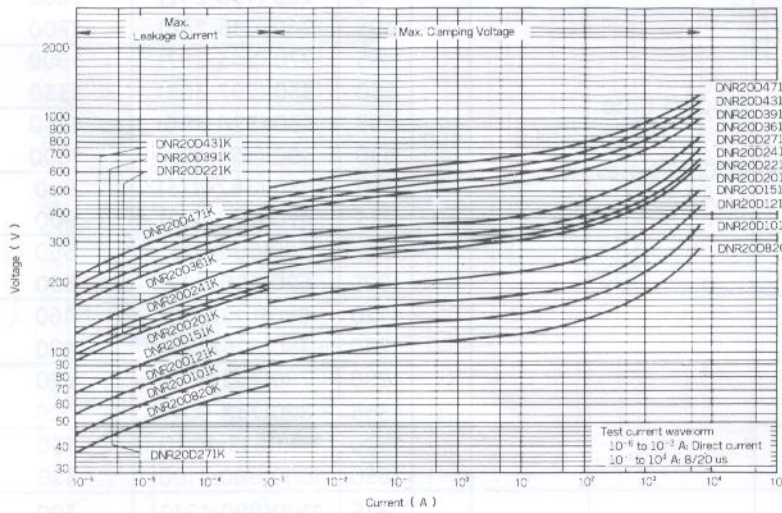
V-I Curve DNR20D180K to DNR20D680K



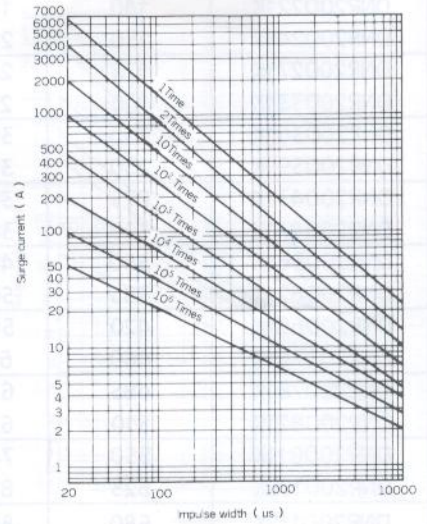
PULSE LIFE TIME RATINGS



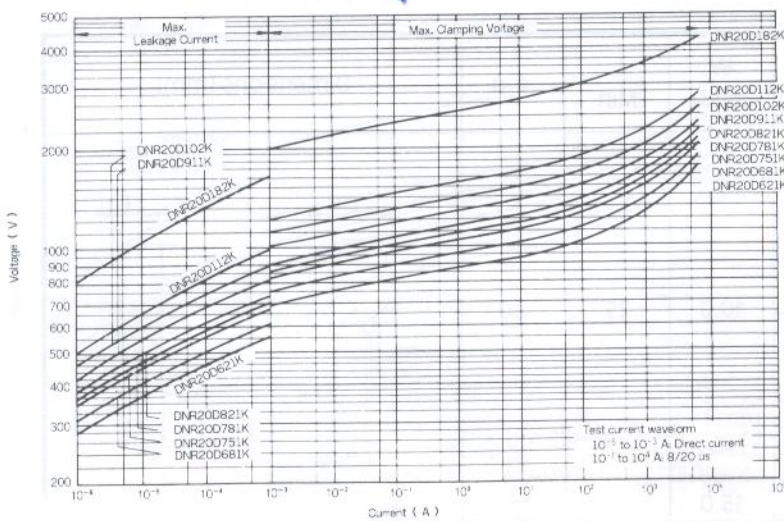
V-I Curve DNR20D820K to DNR20D471K



PULSE LIFE TIME RATINGS



V-I Curve DNR20D621K to DNR20D182K



PULSE LIFE TIME RATINGS

