

Microtech (Hong Kong) Limited

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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}	1KHz
	ACrms (V)	DC(V)	(J)	(A)	(W)	(A)	(V)	(V)	(pF)
DNR7D180K	11	14	0.8	250/1 time	0.02	2.5	36	18 (16-20)	3500
DNR7D220K	14	18	0.9				43	22 (20-24)	2800
DNR7D270K	17	22	1.0	125/2 times	0.02	2.5	53	27 (24-30)	2000
DNR7D330K	20	26	1.2				65	33 (30-36)	1500
DNR7D390K	25	31	1.5	125/2 times	0.02	2.5	77	39 (35-43)	1350
DNR7D470K	30	38	1.8				93	47 (42-52)	1150
DNR7D560K	35	45	2.2	125/2 times	0.02	2.5	110	56 (50-62)	950
DNR7D680K	40	56	2.5				135	68 (61-75)	700
DNR7D820K	50	65	3.5	1200/1 time	0.25	10	135	82 (74-90)	550
DNR7D101K	60	85	4.0				165	100 (90-110)	500
DNR7D121K	75	100	5.0	1200/1 time	0.25	10	200	120 (108-132)	450
DNR7D151K	95	125	6.0				250	150 (135-165)	350
DNR7D181K	115	150	8.0	600/2 times	0.25	10	300	180 (162-198)	290
DNR7D201K	130	170	10.0				340	200 (180-220)	250
DNR7D221K	140	180	10.0	600/2 times	0.25	10	360	220 (198-242)	250
DNR7D241K	150	200	10.0				395	240 (216-264)	200
DNR7D271K	175	225	12.0	600/2 times	0.25	10	455	270 (243-297)	170
DNR7D331K	210	275	14.0				550	330 (297-363)	145
DNR7D361K	230	300	15.0	600/2 times	0.25	10	595	360 (324-396)	130
DNR7D391K	250	320	17.0				650	390 (351-429)	130
DNR7D431K	275	350	20.0	600/2 times	0.25	10	710	430 (387-473)	110
DNR7D471K	300	385	20.0				775	470 (423-517)	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	4.6	9.0	12.0	5.0	25	0.6	
DNR7D271K							
DNR7D331K	6.0	9.0	12.0	5.0	25	0.6	
DNR7D471K							