

 ELECTRICAL CHARACTERISTICS

Part No.	Varistor Voltage	Maximum Allowable Voltage		Maximum Clamping Voltage	Withstanding Surge Current		Rated Wattage	Energy	Typical Capacitance
	V1mA (V)	AC (V)	DC (V)	V10A (V)	I _{max} (8/20μs) (A)	In(15 times) (8/20μs) (A)	(W)	(10/1000μs) (J)	1kHz (PF)
HEL 7D180K	18 (16 ~ 20)	11	14	·38	250	—	0.02	1.3	3500
HEL 7D220K	22 (20 ~ 24)	14	18	·43	250	—	0.02	1.7	2800
HEL 7D270K	27 (24 ~ 30)	17	22	·53	250	—	0.02	2	2200
HEL 7D330K	33 (30 ~ 36)	20	26	·65	250	—	0.02	2.4	1800
HEL 7D390K	39 (35 ~ 43)	25	31	·77	250	—	0.02	2.8	1450
HEL 7D470K	47 (42 ~ 52)	30	38	·93	250	—	0.02	3.5	1150
HEL 7D560K	56 (50 ~ 62)	35	45	·110	250	—	0.02	4.1	1050
HEL 7D680K	68 (61 ~ 75)	40	56	·135	250	—	0.02	5	970
HEL 7D820K	82 (74 ~ 90)	50	65	135	1200	500	0.25	6	930
HEL 7D101K	100 (90 ~ 110)	60	85	165	1200	500	0.25	7.4	860
HEL 7D121K	120 (108 ~ 132)	75	100	200	1200	500	0.25	8	670
HEL 7D151K	150 (135 ~ 165)	95	125	250	1200	500	0.25	10	490
HEL 7D181K	180 (162 ~ 198)	115	150	300	1200	500	0.25	12	330
HEL 7D201K	200 (180 ~ 220)	130	170	340	1200	500	0.25	14	240
HEL 7D221K	220 (198 ~ 242)	140	180	360	1200	500	0.25	15	190
HEL 7D241K	240 (216 ~ 264)	150	200	395	1200	500	0.25	16	165
HEL 7D271K	270 (243 ~ 297)	175	225	455	1200	500	0.25	19	150
HEL 7D301K	300 (270 ~ 330)	195	250	505	1200	500	0.25	22.1	135
HEL 7D331K	330 (297 ~ 363)	210	275	550	1200	500	0.25	24.2	130
HEL 7D361K	360 (324 ~ 396)	230	300	595	1200	500	0.25	26	125
HEL 7D391K	390 (351 ~ 429)	250	320	650	1200	500	0.25	26	105
HEL 7D431K	430 (387 ~ 473)	275	350	710	1200	500	0.25	29	100
HEL 7D471K	470 (423 ~ 517)	300	385	775	1200	500	0.25	31	90
HEL 7D511K	510 (459 ~ 561)	320	418	842	1200	500	0.25	34	80
HEL 7D561K	560 (504 ~ 616)	350	460	920	1200	500	0.25	34	75
HEL 7D621K	620 (558 ~ 682)	385	505	1,025	1200	500	0.25	36	70
HEL 7D681K	680 (612 ~ 748)	420	560	1,120	1200	500	0.25	36	65
HEL 7D751K	750 (675 ~ 825)	460	615	1,240	1200	500	0.25	39	61
HEL 7D781K	780 (702 ~ 858)	485	640	1,290	1200	500	0.25	41	54
HEL 7D821K	820 (738 ~ 902)	510	670	1,355	1200	500	0.25	43	48