

 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)	V25A (V)	I _{max} (8/20μs) (A)	I _n (15 times) (8/20μs) (A)	(W)	(10/1000μs) (J)	1kHz (PF)
HEL 10D180K	18 (16 ~ 20)	11	14	·38	500	—	0.05	2.8	6500
HEL 10D220K	22 (20 ~ 24)	14	18	·43	500	—	0.05	3.5	5000
HEL 10D270K	27 (24 ~ 30)	17	22	·53	500	—	0.05	4.2	4200
HEL 10D330K	33 (30 ~ 36)	20	26	·65	500	—	0.05	5.2	3700
HEL 10D390K	39 (35 ~ 43)	25	31	·77	500	—	0.05	6.2	3300
HEL 10D470K	47 (42 ~ 52)	30	38	·93	500	—	0.05	7.4	2900
HEL 10D560K	56 (50 ~ 62)	35	45	·110	500	—	0.05	8.8	2500
HEL 10D680K	68 (61 ~ 75)	40	56	·135	500	—	0.05	11	2100
HEL 10D820K	82 (74 ~ 90)	50	65	135	2500	1,500	0.4	13	1700
HEL 10D101K	100 (90 ~ 110)	60	85	165	2500	1,500	0.4	16	1500
HEL 10D121K	120 (108 ~ 132)	75	100	200	2500	1,500	0.4	19	1300
HEL 10D151K	150 (135 ~ 165)	95	125	250	2500	1,500	0.4	24	1000
HEL 10D181K	180 (162 ~ 198)	115	150	300	2500	1,500	0.4	28	770
HEL 10D201K	200 (180 ~ 220)	130	170	340	2500	1,500	0.4	32	560
HEL 10D221K	220 (198 ~ 242)	140	180	360	2500	1,500	0.4	35	440
HEL 10D241K	240 (216 ~ 264)	150	200	395	2500	1,500	0.4	38	410
HEL 10D271K	270 (243 ~ 297)	175	225	455	2500	1,500	0.4	43	380
HEL 10D301K	300 (270 ~ 330)	195	250	505	2500	1,500	0.4	47	340
HEL 10D331K	330 (297 ~ 363)	210	275	550	2500	1,500	0.4	52	330
HEL 10D361K	360 (324 ~ 396)	230	300	595	2500	1,500	0.4	57	310
HEL 10D391K	390 (351 ~ 429)	250	320	650	2500	1,500	0.4	61	290
HEL 10D431K	430 (387 ~ 473)	275	350	710	2500	1,500	0.4	68	270
HEL 10D471K	470 (423 ~ 517)	300	385	775	2500	1,500	0.4	74	240
HEL 10D511K	510 (459 ~ 561)	320	418	842	2500	1,500	0.4	74	230
HEL 10D561K	560 (504 ~ 616)	350	460	920	2500	1,500	0.4	74	230
HEL 10D621K	620 (558 ~ 682)	385	505	1,025	2500	1,500	0.4	74	190
HEL 10D681K	680 (612 ~ 748)	420	560	1,120	2500	1,500	0.4	74	170
HEL 10D751K	750 (675 ~ 825)	460	615	1,240	2500	1,500	0.4	75	160
HEL 10D781K	780 (702 ~ 858)	485	640	1,290	2500	1,500	0.4	78	160
HEL 10D821K	820 (738 ~ 902)	510	670	1,355	2500	1,500	0.4	85	160
HEL 10D911K	910 (819 ~ 1001)	550	745	1,500	2500	1,500	0.4	93	150
HEL 10D951K	950 (855 ~ 1045)	580	780	1,570	2500	1,500	0.4	97	130
HEL 10D102K	1000 (900 ~ 1100)	625	825	1,650	2500	1,500	0.4	102	120
HEL 10D112K	1100 (990 ~ 1210)	680	895	1,815	2500	1,500	0.4	115	110
HEL 10D152K	1500 (1350 ~ 1650)	900	1220	2,475	2500	1,500	0.4	155	100
HEL 10D182K	1800 (1620 ~ 1980)	1000	1465	2,970	2500	1,500	0.4	185	80