

Metal-oxide varistor



**Metal-oxide varistors for surge protection-10D series
Specification&Part no.**

N(Standard) Series

Element Disc Diameter:10mm

Item	Part No.	Max Continuous Operating		Max Varistor Clamping Voltage	Metal-Oxide Varistor Voltage	Energy 10/1000µS	Withstanding Surge Current 8/20µS		Rated Power (W)
		ACrms(V)	DC(V)	at 25A	at 1mA	(J)	1 time	2 times	
				(V)	(V)		(A)	(A)	
1	10D112K	660	895	1815	1100(990-1210)	133.0	2500	1250	0.40
2	10D102K	625	825	1650	1000(900-1100)	133.0			
3	10D911K	550	745	1500	910(819-1001)	133.0			
4	10D821K	510	670	1355	820(738-902)	125.0			
5	10D781K	485	640	1290	780(702-858)	125.0			
6	10D751K	460	615	1240	750(675-825)	125.0			
7	10D681K	420	560	1120	680(612-748)	102.0			
8	10D621K	385	505	1025	620(558-682)	102.0			
9	10D561K	350	460	920	560(504-616)	100.0			
10	10D511K	320	415	845	510(459-561)	100.0			
11	10D471K	300	385	775	470(423-517)	100.0			
12	10D431K	275	350	710	430(387-473)	88.2			
13	10D391K	250	320	650	390(351-429)	81.2			
14	10D361K	230	300	595	360(324-396)	74.2			
15	10D331K	210	275	550	330(297-363)	68.6			
16	10D301K	190	250	505	300(270-330)	63.0			
17	10D271K	175	225	455	270(243-297)	57.4			
18	10D251K	160	205	415	250(225-275)	52.0			
19	10D241K	150	200	395	240(216-264)	50.4			
20	10D221K	140	180	360	220(198-242)	46.2			
21	10D201K	130	170	330	200(185-225)	42.0			
22	10D181K	115	150	300	180(162-198)	30.8			
23	10D151K	95	125	250	150(135-165)	25.2			
24	10D121K	75	100	200	120(108-132)	21.0			
25	10D101K	60	85	165	100(90-110)	18.2			
26	10D820K	50	65	135	82(74-90)	16.8			
27	10D680K	40	56	135	68(61-75)	15.4			
28	10D560K	35	45	110	65(50-62)	12.9			
29	10D470K	30	38	93	47(42-52)	10.8			
30	10D390K	25	31	77	39(35-43)	9.1			
31	10D330K	20	26	65	33(30-36)	7.4			
32	10D270K	17	22	53	27(24-30)	6.0			
33	10D220K	14	18	43	22(20-24)	4.5			
34	10D180L	10	14	38	18(15-21)	2.8			

Metal-oxide varistor



Metal-oxide varistors for surge protection-10D series
Specification&Part no.

J(High Surge&High Energy) Series

Element Disc Diameter:10mm

Item	Part No.	Max Allowable Voltage		Max Clamping Voltage	Varistor Voltage	Energy 10/1000µS (J)	Withstanding Surge Current 8/20µS		Rated Power (W)
		ACrms(V)	DC(V)	at 25A (V)	at 1mA (V)		1 time (A)	2 times	
1	10D112K	680	895	1815	1100(990-1210)	155.0	4000	3000	0.40
2	10D102K	625	825	1650	1000(900-1100)	140.0			
3	10D911K	550	745	1500	910(819-1001)	134.0			
4	10D821K	510	670	1355	820(738-902)	125.0			
5	10D781K	485	640	1290	780(702-858)	125.0			
6	10D751K	460	615	1240	750(675-825)	125.0			
7	10D681K	420	560	1120	680(612-748)	103.0			
8	10D621K	385	505	1025	620(558-682)	103.0			
9	10D561K	350	460	920	560(504-616)	102.0			
10	10D511K	320	415	845	510(459-561)	102.0			
11	10D471K	300	385	775	470(423-517)	100.0			
12	10D431K	275	350	710	430(387-473)	96.0			
13	10D391K	250	320	650	390(351-429)	82.0			
14	10D361K	230	300	595	360(324-396)	75.0			
15	10D331K	210	275	550	330(297-363)	69.0			
16	10D301K	190	250	505	300(270-330)	63.5			
17	10D271K	175	225	455	270(243-297)	58.0			
18	10D241K	150	200	395	240(216-264)	51.0			
19	10D221K	140	180	360	220(198-242)	46.5			
20	10D201K	130	170	330	200(185-225)	42.5			
21	10D181K	115	150	300	180(162-198)	38.0			
22	10D151K	95	125	250	150(135-165)	26.0			
23	10D121K	75	100	200	120(108-132)	21.5			
24	10D101K	60	85	165	100(90-110)	18.5			
25	10D820K	50	65	135	82(74-90)	17.0			
26	10D680K	40	56	135	68(61-75)	16.0	1000	500	0.05
27	10D560K	35	45	110	65(50-62)	13.0			
28	10D470K	30	38	93	47(42-52)	11.0			
29	10D390K	25	31	77	39(35-43)	9.5			
30	10D330K	20	26	65	33(30-36)	8.0			
31	10D270K	17	22	53	27(24-30)	6.5			
32	10D220K	14	18	43	22(20-24)	5.0			
33	10D180L	10	14	38	18(15-21)	3.0			