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Metal Oxide Varistors

Standard D Series 20 mm Disc

PART NUMBER	Varistor Voltage		Maximum Allowable Voltage		Max Clamping Voltage (8/20 μ S)		Max. Energy (J)		Max. Peak Current (8/20 μ S)		Rated Power (w)	Typical Capacitance (Reference)		Dimensions	
	V@1mA (v)	ACrms (v)	DC (v)	Vc (v)	Ip (A)	10/1000 μ S	2ms	1 time (A)	2 times (A)	1kHz (pF)		T Max (mm)			
MDE-20D180M	18	16-20	11	14	36	20	13	12	3000	2000	0.2	40,000	5.20		
MDE-20D220M	22	20-24	14	18	43	20	16	14	3000	2000	0.2	30,000	5.30		
MDE-20D270K	27	24-30	17	22	53	20	19	17	3000	2000	0.2	24,500	5.40		
MDE-20D330K	33	30-36	20	26	65	20	24	21	3000	2000	0.2	20,000	5.60		
MDE-20D390K	39	35-43	25	31	77	20	28	25	3000	2000	0.2	13,800	5.80		
MDE-20D470K	47	42-52	30	38	93	20	34	30	3000	2000	0.2	13,500	6.00		
MDE-20D560K	56	50-62	35	45	110	20	41	36	3000	2000	0.2	12,200	6.20		
MDE-20D680K	68	61-75	40	56	135	20	49	44	3000	2000	0.2	11,500	6.50		
MDE-20D820K	82	74-90	50	65	135	100	56	40	10000	7000	1.0	8,200	4.80		
MDE-20D101K	100	90-110	60	85	165	100	70	50	10000	7000	1.0	8,000	5.20		
MDE-20D121K	120	108-132	75	100	200	100	85	60	10000	7000	1.0	5,500	5.30		
MDE-20D151K	150	135-165	95	125	250	100	106	75	10000	7000	1.0	4,200	5.30		
MDE-20D181K	180	162-198	115	150	300	100	130	84	10000	7000	1.0	2,500	5.40		
MDE-20D201K	200	185-225	130	170	340	100	140	100	10000	7000	1.0	2,300	5.50		
MDE-20D221K	220	198-242	140	180	360	100	155	110	10000	7000	1.0	2,200	5.50		
MDE-20D241K	240	216-264	150	200	395	100	168	120	10000	7000	1.0	2,200	5.50		
MDE-20D271K	270	247-303	175	225	455	100	190	135	10000	7000	1.0	2,100	5.60		
MDE-20D301K	300	270-330	195	250	500	100	216	148	10000	7000	1.0	1,800	5.60		
MDE-20D331K	330	297-363	210	275	550	100	228	160	10000	7000	1.0	1,750	5.70		
MDE-20D361K	360	324-396	230	300	595	100	255	180	10000	7000	1.0	1,700	5.70		
MDE-20D391K	390	351-429	250	320	650	100	275	195	10000	7000	1.0	1,400	5.90		
MDE-20D431K	430	387-473	275	350	710	100	303	215	10000	7000	1.0	1,350	6.10		
MDE-20D471K	470	423-517	300	385	775	100	350	250	10000	7000	1.0	1,200	6.30		
MDE-20D511K	510	459-561	320	410	845	100	382	273	10000	7000	1.0	1,050	6.50		
MDE-20D561K	560	504-616	350	460	920	100	385	277	10000	7000	1.0	900	6.80		
MDE-20D621K	620	558-682	385	505	1025	100	382	273	7500	6500	1.0	570	7.10		
MDE-20D681K	680	612-748	420	560	1120	100	382	273	7500	6500	1.0	550	7.40		
MDE-20D751K	750	657-825	460	615	1240	100	420	300	7500	6500	1.0	530	7.80		
MDE-20D781K	780	702-858	485	640	1290	100	445	315	7500	6500	1.0	530	7.80		
MDE-20D821K	820	738-902	510	670	1355	100	460	325	7500	6500	1.0	530	8.20		
MDE-20D911K	910	819-1001	550	745	1500	100	510	360	7500	6500	1.0	480	8.60		
MDE-20D951K	950	855-1045	575	765	1580	100	535	380	7500	6500	1.0	480	8.60		
MDE-20D102K	1000	900-1100	625	825	1650	100	565	400	7500	6500	1.0	480	9.10		
MDE-20D112K	1100	990-1210	680	895	1815	100	620	440	7500	6500	1.0	400	9.60		
MDE-20D122K	1200	1090-1310	750	965	1980	100	680	480	7500	6500	1.0	375	9.60		
MDE-20D162K	1600	1414-1728	1000	1200	2700	100	850	600	7500	6500	1.0	313	12.20		
MDE-20D182K	1800	1620-1980	1100	1400	3030	100	1020	720	7500	6500	1.0	250	14.30		

•The clamping voltage from 180K to 680K is tested with current @ 10A.

Size	D max	d (± 0.05)	W (± 1.0)
20mm	25.00	1.00	10.00

