

# MDE Semiconductor, Inc.

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## Metal Oxide Varistors

### High Energy Series 80mm Single Disc

PART NUMBER	Varistor Voltage	Maximum Allowable Voltage		Max Clamping Voltage (8/20 $\mu$ S)		Max. Energy (J) 10/1000 $\mu$ S	Max. Peak Current (8/20 $\mu$ S)		Typical Capacitance (Reference) 1kHz (pF)
		V@1mA (v)	ACrms (v)	DC (v)	Vc (v)		Ip (A)	1 time (A)	
MDE-80D201K	200 (185-225)	130	170	340	800	660	100000	80000	28000
MDE-80D241K	240 (216-264)	150	200	395	800	800	100000	80000	23000
MDE-80D271K	270 (243-297)	175	225	455	800	900	100000	80000	20000
MDE-80D331K	330 (297-363)	210	275	550	800	1000	100000	80000	18000
MDE-80D361K	360 (324-396)	230	300	595	800	1200	100000	80000	16000
MDE-80D391K	390 (351-429)	250	320	650	800	1300	100000	80000	14000
MDE-80D431K	430 (387-473)	275	350	710	800	1400	100000	80000	13000
MDE-80D471K	470 (423-517)	300	385	775	800	1500	100000	80000	12000
MDE-80D511K	510 (459-561)	320	415	845	800	1600	100000	80000	11000
MDE-80D621K	620 (558-682)	385	505	1025	800	2000	100000	80000	9000
MDE-80D681K	680 (612-748)	420	560	1120	800	2200	100000	80000	8500
MDE-80D751K	750 (675-825)	460	615	1240	800	2500	100000	80000	7700
MDE-80D781K	780 (702-858)	485	640	1290	800	2600	100000	80000	7200
MDE-80D821K	820 (738-902)	510	670	1355	800	2800	100000	80000	6900
MDE-80D911K	910 (819-1001)	550	745	1500	800	3100	100000	80000	6500
MDE-80D951K	950 (855-1045)	575	765	1570	800	3300	100000	80000	6200
MDE-80D102K	1000 (900-1100)	625	825	1650	800	3400	100000	80000	5800
MDE-80D112K	1100 (990-1210)	680	895	1815	800	3600	100000	80000	5200
MDE-80D122K	1200 (1062-1300)	750	970	2100	800	4000	100000	80000	4800
MDE-80D142K	1400 (1245-1520)	880	1150	2290	800	5000	100000	80000	4000
MDE-80D162K	1600 (1414-1728)	1000	1200	2700	800	6000	100000	80000	3200
MDE-80D182K	1800 (1620-2060)	1100	1400	3030	800	7000	100000	80000	2900
MDE-80D222K	2200 (2020-2200)	1400	1750	3580	800	8500	100000	80000	2400
MDE-80D272K	2700 (2500-3030)	1700	2150	4400	800	9800	100000	80000	2000
MDE-80D332K	3300 (2970-3300)	2000	2500	5375	800	10500	100000	80000	1600
MDE-80D392K	3900 (3510-4290)	2400	3000	6360	800	12000	100000	80000	1200
MDE-80D472K	4700 (4230-5170)	2800	3500	7665	800	13000	100000	80000	1000

T-Max = 7.8mm  
L = 2.4mm

