

# MDE Semiconductor, Inc.

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## Metal Oxide Varistors

### High Energy Series 53mm Single Disc

PART NUMBER	Varistor Voltage	Maximum Allowable Voltage		Max Clamping Voltage (8/20 $\mu$ S)		Max. Energy (J)	Max. Peak Current (8/20 $\mu$ S)		Typical Capacitance (Reference)	Dimensions	
	V@1mA (v)	ACrms (v)	DC (v)	Vc (v)	Ip (A)	10/1000 $\mu$ S	1 time	(ka)	1kHz (pF)	T max (mm)	L $\pm$ 0.10 (mm)
MDE-53D201K	200 (185-225)	130	175	340	500	490	70000		15000	6.80	4.90
MDE-53D221K	220 (198-242)	140	180	340	500	490	70000		16000	6.80	4.90
MDE-53D241K	240 (216-264)	150	200	395	500	570	70000		12500	7.00	5.10
MDE-53D271K	270 (255-311)	175	225	455	500	630	70000		11000	7.10	5.20
MDE-53D331K	330 (297-363)	210	275	550	500	680	70000		9000	7.30	5.40
MDE-53D361K	360 (324-396)	230	300	595	500	730	70000		8500	7.50	5.60
MDE-53D391K	390 (351-429)	250	330	650	500	880	70000		7500	7.70	5.80
MDE-53D431K	430 (387-473)	275	370	710	500	950	70000		7000	7.90	6.00
MDE-53D471K	470 (423-517)	300	385	775	500	1000	70000		6500	8.10	6.20
MDE-53D511K	510 (459-561)	320	420	845	500	1100	70000		6000	8.40	6.50
MDE-53D561K	560 (504-616)	360	470	950	500	1150	70000		5000	8.70	6.80
MDE-53D621K	620 (558-682)	390	505	1025	500	1300	70000		5000	9.00	7.10
MDE-53D681K	680 (612-748)	420	560	1120	500	1500	70000		4500	9.40	7.50
MDE-53D751K	750 (675-825)	460	615	1240	500	1600	70000		4000	9.80	7.90
MDE-53D781K	780 (702-858)	485	640	1290	500	1650	70000		3900	10.00	8.00
MDE-53D821K	820 (738-902)	510	675	1355	500	1800	70000		3700	10.20	8.30
MDE-53D911K	910 (819-1001)	550	745	1500	500	2000	70000		3300	10.70	8.80
MDE-53D951K	950 (855-1045)	575	765	1570	500	2100	70000		3200	10.90	9.00
MDE-53D102K	1000 (900-1100)	625	825	1650	500	2200	70000		3000	11.20	9.30
MDE-53D112K	1100 (962-1175)	680	895	1815	500	2500	70000		2700	11.70	9.80
MDE-53D122K	1200 (1080-1320)	750	980	2100	500	2600	70000		2500	12.80	10.90
MDE-53D142K	1400(1245-1520)	880	1150	2290	500	3200	70000		2400	13.80	11.90
MDE-53D162K	1600(1414-1728)	1000	1200	2700	500	3200	70000		2300	14.90	13.00
MDE-53D182K	1800 (1620-2060)	1100	1400	3030	500	3200	70000		2200	Call	Call
MDE-53D192K	1900 (1767-2080)	1200	1750	3110	500	3200	70000		2050	Call	Call
MDE-53D222K	2200 (2025-2409)	1400	1750	3520	500	5000	70000		1800	Call	Call

