

# MDE Semiconductor, Inc. Circuit Protection Products

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## Metal Oxide Varistors

### High Energy Series 34mm Single Square

PART NUMBER	Varistor Voltage V@1mA (v)	Maximum Allowable Voltage		Max Clamping Voltage (8/20 μ S)		Max. Energy (J)	Max Peak Current (8/20 μ S)		Typical Capacitance (Reference) 1kHz (pF)
		ACrms (v)	DC (v)	Vc (v)	Ip (A)		1 time (A)	2 time (A)	
MDE-34S201K	200 (185-225)	130	175	340	300	310	40000	30000	10000
MDE-34S221K	220 (198-242)	140	180	360	300	330	40000	30000	9000
MDE-34S241K	240 (216-264)	150	200	395	300	360	40000	30000	8000
MDE-34S271K	270 (243-297)	175	225	455	300	390	40000	30000	7100
MDE-34S301K	300 (270-330)	195	250	500	300	405	40000	30000	6000
MDE-34S331K	330 (297-363)	210	275	545	300	430	40000	30000	4800
MDE-34S361K	360 (324-396)	230	300	595	300	460	40000	30000	5600
MDE-34S391K	390 (351-429)	250	330	650	300	490	40000	30000	5000
MDE-34S431K	430 (387-473)	275	370	710	300	550	40000	30000	4500
MDE-34S471K	470 (423-517)	300	385	775	300	600	40000	30000	4000
MDE-34S511K	510 (459-561)	320	420	845	300	640	40000	30000	3800
MDE-34S561K	560 (504-616)	360	470	925	300	710	40000	30000	3600
MDE-34S621K	620 (558-682)	390	505	1025	300	800	40000	30000	3300
MDE-34S681K	680 (612-748)	420	560	1120	300	910	40000	30000	3000
MDE-34S751K	750 (675-825)	460	615	1240	300	920	40000	30000	2800
MDE-34S781K	780 (702-858)	485	640	1290	300	930	40000	30000	2700
MDE-34S821K	820 (738-902)	510	675	1355	300	940	40000	30000	2500
MDE-34S911K	910 (819-1001)	550	745	1500	300	960	40000	30000	1800
MDE-34S951K	950 (855-1045)	575	765	1570	300	1000	40000	30000	1700
MDE-34S102K	1000 (900-1100)	625	825	1650	300	1050	40000	30000	1600
MDE-34S112K	1100 (990-1210)	680	895	1815	300	1150	40000	30000	1550
MDE-34S122K	1200 (1080-1320)	750	980	1980	300	1200	40000	30000	1500
MDE-34S182K	1800 (1620-1980)	1000	1465	2970	300	1800	40000	30000	1300

### Tmax

Part Number	Tmax
MDE-34S201K	11
MDE-34S221K	11
MDE-34S241K	11
MDE-34S271K	11
MDE-34S301K	12
MDE-34S331K	12
MDE-34S361K	12
MDE-34S391K	12
MDE-34S431K	12
MDE-34S471K	12
MDE-34S511K	12
MDE-34S561K	12
MDE-34S621K	12
MDE-34S681K	13
MDE-34S751K	13
MDE-34S781K	13
MDE-34S821K	13
MDE-34S911K	13
MDE-34S951K	13
MDE-34S102K	14
MDE-34S122K	14

