

MDE Semiconductor, Inc. Circuit Protection Products

78-150 Calle Tampico, Unit 210, La Quinta, CA., USA 92253 Tel: 760-564-8656 • Fax: 760-564-241
1-800-831-4881 Email: sales@mdesemiconductor.com Web: www.mdesemiconductor.com

Metal Oxide Varistors

Cross Reference Guide

5mm Disc

V@1mA	MDE	MAIDA	HARRIS **	PANASONIC *	SIEMENS *	FUJI	SANKEN
18	MDE5D180M	D58ZOV110RA00	V18ZA05	ERZCO5DK180	S05K11		
22	MDE5D220M	D58ZOV140RA00	V22ZA05	ERZCO5DK220	S05K14	ENB220D05B	
27	MDE5D270K	D58ZOV170RA00	V27ZA05	ERZCO5DK270	S05K17	ENB270D05B	
33	MDE5D330K	D58ZOV200RA00	V33ZA05	ERZCO5DK330	S05K20	ENB330D05B	
39	MDE5D390K	D58ZOV250RA01	V39ZA05	ERZCO5DK390	S05K25	ENB390D05B	
4	MDE5D470	D58ZOV300RA0	V47ZA0	ERZCO5DK47	S05K3	ENB470D05B	
56	MDE5D560K	D58ZOV350RA01	V56ZA05	ERZCO5DK560	S05K35	ENB560D05B	
68	MDE5D680K	D58ZOV400RA01	V68ZA05	ERZCO5DK680	S05K40	ENB680D05B	
82	MDE5D820K		V82ZA05	ERZCO5DK820	S05K50		
100	MDE5D101K		V100ZA05	ERZCO5DK101	S05K60		
120	MDE5D121K		V120ZA05	ERZCO5DK121	S05K75	ENB121D05B	
150	MDE5D151K	D58ZOV950RA01		ERZCO5DK151	S05K95	ENB151D05B	
180	MDE5D181K		V180ZA05				
200	MDE5D201K			ERZCO5DK201		ENB201D05B	
220	MDE5D221K	D58ZOV141RA02	V220ZA05	ERZCO5DK221	S05K140	ENB221D05B	
240	MDE5D241K			ERZCO5DK241	S05K150		
270	MDE5D271K		V270ZA05	ERZCO5DK271	S05K175		
300	MDE5D301K						
330	MDE5D331K		V330ZA05				
360	MDE5D361K	D58ZOV231RA08		ERZCO5DK361	S05K230		
390	MDE5D391K	D58ZOV251RA08	V390ZA05	ERZCO5DK391	S05K250		
430	MDE5D431K	D58ZOV271RA09	V430ZA05	ERZCO5DK431	S05K275		
470	MDE5D471K	D58ZOV301RA10		ERZCO5DK471	S05K300		

* Epcos

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7mm Disc

V@1mA	MDE	MAIDA	HARRIS **	PANASONIC *	SIEMENS *	FUJI	SANKEN
18	MDE7D180M	D73ZOV110RA01	V18ZA1	ERZCO7DK180	S07K11		SNR7D18L
22	MDE7D220M	D73ZOV140RA01	V22ZA1	ERZCO7DK220	S07K14	ENB220D07B	SNR7D22L
27	MDE7D270K	D73ZOV170RA01	V27ZA1	ERZCO7DK270	S07K17	ENB270D07B	SNR7D27L
33	MDE7D330K	D73ZOV200RA01	V33ZA1	ERZCO7DK330	S07K20	ENB330D07B	SNR7D33L
39	MDE7D390K	D73ZOV250RA02	V39ZA1	ERZCO7DK390	S07K25	ENB390D07B	SNR7D39L
47	MDE7D470	D73ZOV300RA0	V47ZA	ERZCO7DK47	S07K3	ENB470D07	SNR7D47L
56	MDE7D560K	D73ZOV350RA02	V56ZA1	ERZCO7DK560	S07K35	ENB560D07B	SNR7D56L
68	MDE7D680K	D73ZOV400RA03	V68ZA2	ERZCO7DK680	S07K40	ENB680D07B	SNR7D68L
82	MDE7D820K		V82ZA2	ERZCO7DK820	S07K50		SNR7D68L
100	MDE7D101K		V100ZA3	ERZCO7DK101	S07K60		SNR7D100K
120	MDE7D121K		V120ZA1	ERZCO7DK121	S07K75	ENB121D07A	SNR7A75K
150	MDE7D151K	D73ZOV950RA02	V150ZA1	ERZCO7DK151	S07K95	ENB151D07A	SNR7A95K
180	MDE7D181K		V180ZA1				SNR7A115K
200	MDE7D201K		V130LA2	ERZCO7DK201		ENB201D07A	SNR7A130K
220	MDE7D221K	D73ZOV141RA03	V140LA2	ERZCO7DK221	S07K140	ENB221D07A	
240	MDE7D241K		V150LA2	ERZCO7DK241	S07K150		SNR7A150K
270	MDE7D271K		V175LA2	ERZCO7DK271	S07K175		SNR7A175K
300	MDE7D301K						
330	MDE7D331K						
360	MDE7D361K		V230LA4	ERZCO7DK361	S07K230		
390	MDE7D391K	D73ZOV231RA20		ERZCO7DK391	S07K250		SNR7A250K
430	MDE7D431K			ERZCO7DK431	S07K275		SNR7A275K
470	MDE7D471K			ERZCO7DK471	S07K300		SNR7A300K
510	MDE7D511K						
560	MDE7D561K						
620	MDE7D621K						
680	MDE7D681K						

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Cross Reference Guide

10mm Disc

V@1mA	MDE	MAIDA	HARRIS **	PANASONIC *	SIEMENS *	FUJI	SANKEN
18	MDE10D180M	D6121ZOV110RA02	V18ZA2	ERZCO10DK180	S10K11		
22	MDE10D220M	D6121ZOV140RA02	V22ZA2	ERZCO10DK220	S10K14	ENB220D10B	
27	MDE10D270K	D6121ZOV170RA03	V27ZA2	ERZCO10DK270	S10K17	ENB270D10B	
33	MDE10D330K	D6121ZOV200RA03	V33ZA2	ERZCO10DK330	S10K20	ENB330D10B	
39	MDE10D390K	D6121ZOV250RA04	V39ZA3	ERZCO10DK390	S10K25	ENB390D10B	
47	MDE10D470	D6121ZOV300RA0	V47ZA	ERZCO10DK47	S10K3	ENB470D10B	
56	MDE10D560K	D6121ZOV350RA06	V56ZA3	ERZCO10DK560	S10K35	ENB560D10B	
68	MDE10D680K	D6121ZOV400RA07	V68ZA3	ERZCO10DK680	S10K40	ENB680D10B	
82	MDE10D820K		V82ZA4		S10K50		
100	MDE10D101K		V100ZA4	ERZCO10DK101	S10K60		
120	MDE10D121K		V120ZA4	ERZCO10DK121	S10K75	ENB121D10A	
150	MDE10D151K	D6121ZOV950RA03	V150ZA4	ERZCO10DK151	S10K95	ENB151D10A	
180	MDE10D181K		V180ZA5				
200	MDE10D201K		V130LA5	ERZCO10DK201		ENB201D10A	
220	MDE10D221K	D6121ZOV141RA04	V140LA5	ERZCO10DK221	S10K140	ENB221D10A	
240	MDE10D241K		V150LA5	ERZCO10DK241	S10K150		
270	MDE10D271K			ERZCO10DK271	S10K175		
300	MDE10D301K						
330	MDE10D331K						
360	MDE10D361K	D61ZOV231RA35	V230LA10	ERZCO10DK361	S10K230		
390	MDE10D391K	D61ZOV251RA40	V250LA10	ERZCO10DK391	S10K250		
430	MDE10D431K		V275LA10	ERZCO10DK431	S10K275		
470	MDE10D471K	D61ZOV301RA45		ERZCO10DK471	S10K300		
510	MDE10D511K						
560	MDE10D561K						
620	MDE10D621K			ERZCO10DK621			
680	MDE10D681K		V420LA10	ERZCO10DK681	S10K420		
750	MDE10D751K	D61ZOV481RA50		ERZCO10DK751	S10K460		
780	MDE10D781K			ERZCO10DK781			
820	MDE10D821K			ERZCO10DK821	S10K510		
910	MDE10D921K	D61ZOV581RA65		ERZCO10DK911	S10K550		
950	MDE10D951K						
1000	MDE10D102K			ERZCO10DK102	S10K625		
1100	MDE10D112K			ERZCO10DK112	S10K680		
1200	MDE10D122K						
1800	MDE10D182K						

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Cross Reference Guide

14mm Disc

V@1mA	MDE	MAIDA	HARRIS **	PANASONIC *	SIEMENS *	FUJI	SANKEN
18	MDE14D180M	D6921ZOV110RA04	V18ZA3	ERZCO14DK180	S14K11		SNR14D18L
22	MDE14D220M	D6921ZOV140RA04	V22ZA3	ERZCO14DK220	S14K14	ENB220D14B	SNR14D22L
27	MDE14D270K	D6921ZOV170RA05	V27ZA4	ERZCO14DK270	S14K17	ENB270D14B	SNR14D27L
33	MDE14D330K	D6921ZOV200RA06	V33ZA5	ERZCO14DK330	S14K20	ENB330D14B	SNR14D33L
39	MDE14D390K	D6921ZOV250RA07	V39ZA6	ERZCO14DK390	S14K25	ENB390D14B	SNR14D39L
47	MDE14D470K	D6921ZOV300RA0	V47ZA	ERZCO14DK47	S14K3	ENB470D14	SNR14D47
56	MDE14D560K	D6921ZOV350RA10	V56ZA8	ERZCO14DK560	S14K35	ENB560D14B	SNR14D56L
68	MDE14D680K	D6921ZOV400RA12	V68ZA10	ERZCO14DK680	S14K40	ENB680D14B	SNR14D68L
82	MDE14D820K		V82ZA12	ERZCO14DK820	S14K50		SNR14D82L
100	MDE14D101K		V100ZA15	ERZCO14DK101	S14K60		SNR14D100K
120	MDE14D121K		V120ZA6	ERZCO14DK121	S14K75	ENB121D14A	SNR14D75K
150	MDE14D151K	D6921ZOV950RA06	V150ZA8	ERZCO14DK151	S14K95	ENB151D14A	SNR14D95K
180	MDE14D181K		V180ZA10				SNR14D115K
200	MDE14D201K		V130LA10A	ERZCO14DK201		ENB201D14A	SNR14D130K
220	MDE14D221K	D6921ZOV141RA09	V140LA10A	ERZCO14DK221	S14K140	ENB221D14A	
240	MDE14D241K		V150LA10A	ERZCO14DK241	S14K150		SNR14D150K
270	MDE14D271K		V175LA10A	ERZCO14DK271	S14K175		SNR14D175K
300	MDE14D301K						
330	MDE14D331K						
360	MDE14D361K	D61ZOV231RA70	V230LA20A	ERZCO14DK361	S14K230		
390	MDE14D391K	D61ZOV251RA72	V250LA20A	ERZCO14DK391	S14K250		SNR14D250K
430	MDE14D431K		V275LA20A	ERZCO14DK431	S14K275		SNR14D275K
470	MDE14D471K	D61ZOV301RA80		ERZCO14DK471	S14K300		SNR14D300K
510	MDE14D511K		V320LA20A				
560	MDE14D561K						
620	MDE14D621K			ERZCO14DK621	S14K385		
680	MDE14D681K		V420LA20A	ERZCO14DK681	S14K420		SNR14D420K
750	MDE14D751K	D61ZOV481RA95	V480LA40A	ERZCO14DK751	S14K460		
780	MDE14D781K			ERZCO14DK781			
820	MDE14D821K		V510LA40A	ERZCO14DK821	S14K510		SNR14D510K
910	MDE14D921K	D61ZOV581RA120	V575LA40A	ERZCO14DK911	S14K550		SNR14D575K
950	MDE14D951K						
1000	MDE14D102K			ERZCO14DK102	S14K625		
1100	MDE14D112K			ERZCO14DK112	S14K680		
1200	MDE14D122K						
1800	MDE14D182K		V1000LA80A	ERZCO14DK182	S14K1000		

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20mm Disc

Varistor Voltage	MDE	MAIDA	HARRIS **	PANASONIC *	SIEMENS *	FUJI	SANKEN
18	MDE20D180M	D6521ZOV110RA04	V18ZA40	ERZCO20DK180	S20K11		
22	MDE20D220M	D6521ZOV140RA13		ERZCO20DK220	S20K14		
27	MDE20D270K	D6521ZOV170RA15	V27ZA60	ERZCO20DK270	S20K17		
33	MDE20D330K	D6521ZOV200RA20	V33ZA70	ERZCO20DK330	S20K20		
39	MDE20D390K	D6521ZOV250RA24		ERZCO20DK390	S20K25		
47	MDE20D470K	D6521ZOV300RA3		ERZCO20DK47	S20K30		
56	MDE20D560K	D6521ZOV350RA35		ERZCO20DK560	S20K35		
68	MDE20D680K	D6521ZOV400RA40		ERZCO20DK680	S20K40		
82	MDE20D820K			ERZCO20DK820	S20K50		
100	MDE20D101K			ERZCO20DK101	S20K60		
120	MDE20D121K			ERZCO20DK121	S20K75		
150	MDE20D151K	D6521ZOV950RA65		ERZCO20DK151	S20K95		
180	MDE20D181K						
200	MDE20D201K		V130LA20A	ERZCO20DK201		ENB201D20A	SNR20A130K
220	MDE20D221K	D6521ZOV141RA20		ERZCO20DK221	S20K140	ENB221D20A	
240	MDE20D241K		V150LA20A	ERZCO20DK241	S20K150		SNR20A150K
270	MDE20D271K			ERZCO20DK271	S20K175		SNR20A175K
300	MDE20D301K						
330	MDE20D331K						
360	MDE20D361K	D61ZOV231RA115		ERZCO20DK361	S20K230		
390	MDE20D391K	D61ZOV251RA130	V250LA40A	ERZCO20DK391	S20K250		SNR20A250K
430	MDE20D431K		V275LA40A	ERZCO20DK431	S20K275		SNR20A275K
470	MDE20D471K	D61ZOV301RA150		ERZCO20DK471	S20K300		SNR20A300K
510	MDE20D511K						
560	MDE20D561K						
620	MDE20D621K			ERZCO20DK621	S20K385		
680	MDE20D681K		V420LA20B	ERZCO20DK681	S20K420		SNR20A420K
750	MDE20D751K	D61ZOV481RA180	V480LA40B	ERZCO20DK751	S20K460		
780	MDE20D781K			ERZCO20DK781			
820	MDE20D821K			ERZCO20DK821	S20K510		SNR20A510K
910	MDE20D921K	D61ZOV581RA220	V575LA80B	ERZCO20DK911	S20K550		SNR20A575K
950	MDE20D951K						
1000	MDE20D102K			ERZCO20DK102	1000NR10		
1100	MDE20D112K			ERZCO20DK112	S20K680		
1200	MDE20D122K						
1800	MDE20D182K			ERZCO20DK182			

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