

05 Series to 25 Series – Through Hole MOV's

Maximum Transient Power Dissipation Ratings (Pm)

Series	Pm-watts	Series	Pm-watts
05	0.15	14	0.6
07	0.25	16	0.6
08	0.3	18	0.8
10	0.4	20	1.0
11	0.45	25	1.2
12	0.5		

Standard Marking:

Minimum marking information shall consist of an abbreviated style designation and, when space is available, the manufacturer's name "BUSS®".

For instance, BUSS®

M500

DW

WHERE:

M - Represents "Metal Oxide Varistor"

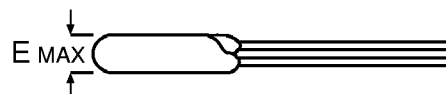
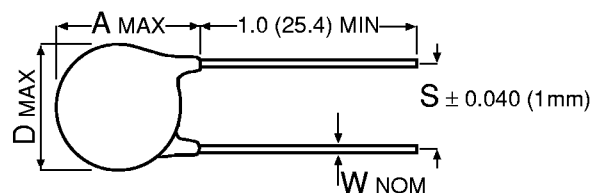
500 - AC voltage rating code

DW - Energy rating code

Standard Dimensions: inches (mm)

Size Code	A	D	S	W	E				
					50-95VAC	120-180VAC	230-320VAC	420-580VAC	620-1000VAC
05	.394 (10)	.276 (7)	.197 (5)	.025 (.63)	.197 (5)	.236 (6)	.264 (6.7)	NA	NA
07	.472 (12)	.354 (9)	.197 (5)	.025 (.63)	.197 (5)	.236 (6)	.276 (7)	.385 (9.8)	NA
08	.512 (13)	.394 (10)	.197 (5)	.025 (.63)	NA	.236 (6)	.276 (7)	NA	NA
10	.590 (15)	.472 (12)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	NA
11	.650 (16.5)	.531 (13.5)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	NA	NA	NA
12	.710 (18)	.590 (15)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	NA
14	.770 (19.5)	.650 (16.5)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	.472 (12)
16	.827 (21)	.710 (18)	.296 (7.5)	.032 (.81)	NA	.236 (6)	NA	NA	NA
18	.905 (23)	.787 (20)	.296 (7.5)	.032 (.81)	NA	.236 (6)	.276 (7)	.354 (9)	.472 (12)
20	1.020 (26)	.905 (23)	.296 (7.5)	.032 (.81)	.197 (5)	.236 (6)	.276 (7)	.354 (9)	.472 (12)
25	1.250 (32)	1.100 (28)	.492 (12.5)	.040 (1)	NA	.236 (6)	.276 (7)	.354 (9)	.472 (12)

NA - Not available as standard size.



05 Series to 25 Series – Through Hole MOV's

5mm Series

			Maximum Ratings					Electrical Characteristics				
Safety Recognition (footnotes)		5mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20µS)		Typical Capaci- tance 1KHz25°C
				Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (10 x 1000µS)	Peak Current (8 x 20µS)					
				Volts	Volts	Joules	Amperes	Volts	Volts	Volts	Amperes	
1	5	MOV05110EUA	M110-EU	11	14	0.3	100	16	20	40	1.0	2200
1	5	MOV05140EVA	M140-EV	14	18	0.4	100	20	24	48	1.0	2000
1	5	MOV05170EWA	M170-EW	17	22	0.5	100	24	30	60	1.0	1600
1	5	MOV05200EXA	M200-EX	20	26	0.6	100	30	36	73	1.0	1300
1	5	MOV05250AAA	M250-AA	25	31	0.8	100	35	43	86	1.0	750
1	5	MOV05300ACA	M300-AC	30	38	1.0	100	42	52	104	1.0	680
1	5	MOV05350ACA	M350-AC	35	45	1.0	100	50	62	123	1.0	620
1	5	MOV05400ADA	M400-AC	40	56	1.2	100	61	75	150	1.0	510
1	5	MOV05500DWA	M500-DW	50	66	2.0	400	74	90	165	5.0	510
1	5	MOV05600DWA	M600-DW	60	85	2.0	400	90	110	190	5.0	300
1	5	MOV05750DXA	M750-DX	75	102	2.5	400	108	132	245	5.0	270
1	5	MOV05950AHA	M950-AH	95	127	3.0	400	135	165	300	5.0	220
1	5	MOV05121DYA	M121-DY	120	160	3.5	400	170	207	350	5.0	110
1	4 5	MOV05131AIA	M131-AI	130	175	4.0	400	184	224	380	5.0	100
1	4 5	MOV05141DZA	M141-DZ	140	180	4.5	400	198	242	410	5.0	91
1	4 5	MOV05151AJA	M151-AJ	150	200	5.0	400	212	259	430	5.0	82
1	4 5	MOV05181AKA	M181-AK	180	230	6.0	400	255	311	510	5.0	75
1	5	MOV05211ECA	M211-EC	210	270	7.0	400	297	363	540	5.0	68
1	5	MOV05231EYA	M231-EY	230	300	7.5	400	326	397	620	5.0	62
1	5	MOV05251ALA	M251-AL	250	320	8.0	400	354	432	675	5.0	56
1	5	MOV05271EPA	M271-EP	270	350	9.0	400	382	466	745	5.0	51
1	5	MOV05301AMA	M301-AM	300	385	10.0	400	425	518	810	5.0	47
1	5	MOV05321ANA	M321-AN	320	420	11.0	400	453	553	865	5.0	43
1	5	MOV05361AOA	M361-AO	360	470	12.0	400	522	638	960	5.0	39
1	5	MOV05391APA	M391-AP	390	500	13.0	400	552	674	1040	5.0	36
1	5	MOV05421EDA	M421-ED	420	560	14.0	400	594	725	1120	5.0	33

1 = UL1449 Surge Suppression

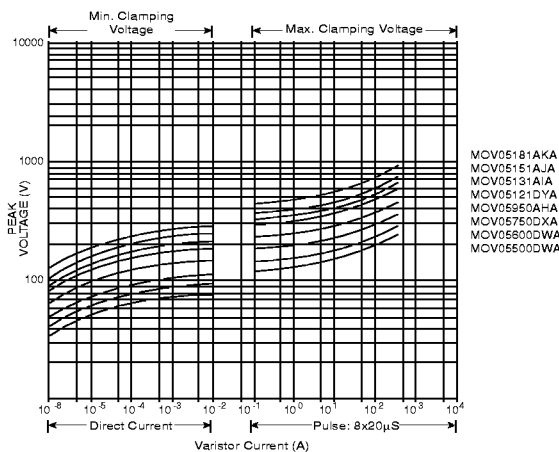
2 = UL1414 Across-The-Line

3 = CSA

4 = VDE/CECC 42000/42201

5 = UL497B Data Communication

05 Series Typical Voltage Current Characteristics



For complete specification data, call Bussmann Information Fax ~ 314.527.1450

BIF document: 3503

05 Series to 25 Series – Through Hole MOV's

7mm Series

			Maximum Ratings				Electrical Characteristics					
Safety Recognition (footnotes)		7mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20μS)		Typical Capaci- tance 1KHz25°C
				Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (10 x 1000μS)	Peak Current (8 x 20μS)					
				Volts	Volts	Joules	Amperes	MIN	MAX	Volts	Amperes	Picofarads
1	5	MOV07110AAA	M110-AA	11	14	0.8	250	16	20	36	2.5	3500
1	5	MOV07140EZA	M140-EZ	14	18	0.9	250	20	24	43	2.5	2800
1	5	MOV07170ACA	M170-AC	17	22	1.0	250	24	30	53	2.5	2000
1	5	MOV07200ADA	M200-AD	20	26	1.2	250	30	36	65	2.5	1500
1	5	MOV07250AEA	M250-AE	25	31	1.5	250	35	43	77	2.5	1350
1	5	MOV07300AFA	M300-AF	30	38	1.8	250	42	52	93	2.5	1150
1	5	MOV07350FAA	M350-FA	35	45	2.2	250	50	62	110	2.5	950
1	5	MOV07400DXA	M400-DX	40	56	2.5	250	61	75	135	2.5	700
1	5	MOV07500AIA	M500-AI	50	66	4.0	1200	74	90	157	10.0	550
1	5	MOV07600AJA	M600-AJ	60	81	5.0	1200	90	110	180	10.0	500
1	5	MOV07750AKA	M750-AK	75	102	6.0	1200	108	132	230	10.0	450
1	5	MOV07950ALA	M950-AL	95	127	8.0	1200	135	165	255	10.0	350
1 2 3	5	MOV07121AMA	M121-AM	120	160	10.0	1200	170	207	320	10.0	160
1 2 3 4	5	MOV07131ANA	M131-AN	130	175	11.0	1200	184	224	340	10.0	160
1 2 3 4	5	MOV07141AOA	M141-AO	140	180	12.0	1200	198	242	360	10.0	150
1 2 3 4	5	MOV07151APA	M151-AP	150	200	13.0	1200	212	259	395	10.0	140
1 2 3 4	5	MOV07181CQA	M181-CQ	180	230	15.0	1200	255	311	470	10.0	120
1 2 3	5	MOV07211EQA	M211-EQ	210	270	18.0	1200	297	363	540	10.0	110
1 2 3 4	5	MOV07231AQA	M231-AQ	230	300	20.0	1200	326	397	595	10.0	110
1 2 3 4	5	MOV07251ARA	M251-AR	250	330	21.0	1200	354	432	650	10.0	100
1 2 3 4	5	MOV07271ASA	M271-AS	270	360	23.0	1200	382	466	710	10.0	91
1 2 3 4	5	MOV07301DVA	M301-DV	300	390	25.0	1200	425	518	790	10.0	82
1 2 3	5	MOV07321FCA	M321-FC	320	420	27.0	1200	453	553	850	10.0	75
1 2 3	5	MOV07361ESA	M361-ES	360	470	28.0	1200	522	638	960	10.0	62
1 2 3		MOV07391FDA	M371-FD	390	490	29.0	1200	530	648	1000	10.0	62
1 2 3	5	MOV07421CSA	M421-CS	420	560	30.0	1200	594	725	1120	10.0	56

1 = UL1449 Surge Suppression

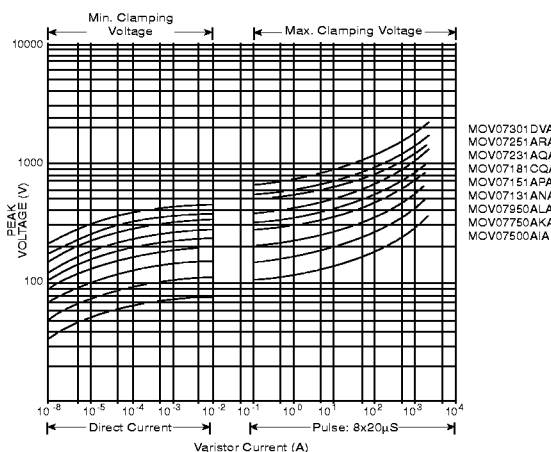
2 = UL1414 Across-The-Line

3 = CSA

4 = VDE/IEC 42000/42201

5 = UL497B Data Communication

07 Series Typical Voltage Current Characteristics



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05 Series to 25 Series – Through Hole MOV's

10mm Series

				Maximum Ratings				Electrical Characteristics					
Safety Recognition (footnotes)		10mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20μS)		Typical Capaci- tance 1KHz25°C	
				Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (10 x 1000μS)	Peak Current (8 x 20μS)						
				Volts	Volts	Joules	Amperes	Volts	Volts	Volts	Amperes		Picofarads
1	5	MOV10110AEA	M110-AE	11	14	1.5	500	16	20	36	5	7500	
1	5	MOV10140DWA	M140-DW	14	18	2.0	500	20	24	43	5	6000	
1	5	MOV10170DXA	M170-DX	17	22	2.5	500	24	30	53	5	4000	
1	5	MOV10200AHA	M200-AH	20	26	3.0	500	30	36	65	5	3000	
1	5	MOV10250DYA	M250-DY	25	31	3.5	500	35	43	77	5	2600	
1	5	MOV10300DZA	M300-DZ	30	38	4.5	500	42	52	93	5	2200	
1	5	MOV10350EAA	M350-EA	35	45	5.5	500	50	62	110	5	1800	
1	5	MOV10400EBA	M400-EB	40	56	6.5	500	61	75	135	5	1600	
1	5	MOV10500AKA	M500-AK	50	66	6.0	2500	74	90	147	25	1500	
1	5	MOV10600ECA	M600-EC	60	81	7.0	2500	90	110	175	25	400	
1	5	MOV10750ALA	M750-AL	75	102	8.0	2500	108	132	210	25	100	
1	5	MOV10950AMA	M950-AM	95	127	10.0	2500	135	165	255	25	900	
1 2 3	5	MOV10121APA	M121-AP	120	160	13.0	2500	170	207	320	25	360	
1 2 3 4 5		MOV10131EDA	M131-ED	130	175	14.0	2500	184	224	340	25	330	
1 2 3 4 5		MOV10141IEA	M141-EE	140	180	16.0	2500	198	242	360	25	310	
1 2 3 4 5		MOV10151IEFA	M151-EF	150	200	17.0	2500	212	259	395	25	300	
1 2 3 4 5		MOV10181AQA	M181-AQ	180	230	20.0	2500	255	311	465	25	270	
1 2 3	5	MOV10211CSA	M211-CS	210	270	30.0	2500	297	363	545	25	250	
1 2 3 4 5		MOV10231CTA	M231-CT	230	300	35.0	2500	326	397	595	25	220	
1 2 3	5	MOV10251CUA	M251-CU	250	330	40.0	2500	354	432	650	25	200	
1 2 3 4 5		MOV10271EGA	M271-EG	270	360	43.0	2500	382	466	710	25	200	
1 2 3 4 5		MOV10301CWA	M301-CW	300	390	45.0	2500	425	518	790	25	180	
1 2 3 4 5		MOV10321CWA	M321-CW	320	420	45.0	2500	453	553	850	25	160	
1 2 3	5	MOV10361CWA	M361-CW	360	470	45.0	2500	522	638	950	25	150	
1	3	5	MOV10391CWA	M391-CW	390	505	45.0	2500	552	674	1025	25	150
1 2 3 4 5		MOV10421CWA	M421-CW	420	560	45.0	2500	594	725	1120	25	150	
1 2 3	5	MOV10461EHA	M461-EH	460	615	50.0	2500	651	795	1240	25	120	
1 2 3 4 5		MOV10481EHA	M481-EH	480	640	50.0	2500	679	829	1290	25	120	
1 2 3 4 5		MOV10511CXA	M511-CX	510	675	55.0	2500	722	881	1350	25	110	
1 2 3 4 5		MOV10551EIA	M551-EI	550	700	60.0	2500	778	950	1400	25	100	
1 2 3 4		MOV10581CYA	M581-CY	580	735	65.0	2500	821	1002	1500	25	95	
1 2 3		MOV10621CYA	M621-CY	620	825	65.0	2500	877	1071	1600	25	91	
1 2 3		MOV10681CZA	M681-CZ	680	895	70.0	2500	962	1175	1650	25	82	

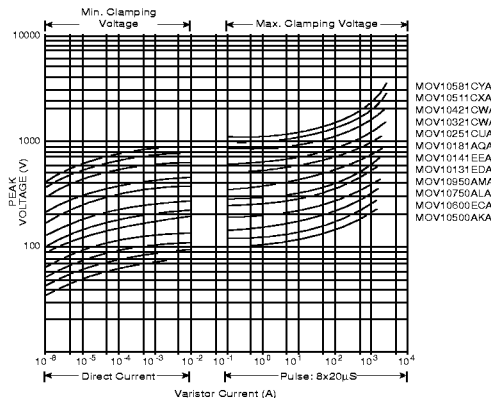
1 = UL1449 Surge Suppression

2 = UL1414 Across-The-Line

3 = CSA

4 = VDE/CECC 42000/42201

5 = UL497B Data Communication

10 Series Typical Voltage
Current Characteristics

For complete specification data, call Bussmann Information Fax ~ 314.527.1450

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05 Series to 25 Series – Through Hole MOV's

11mm & 12mm Series

			Maximum Ratings				Electrical Characteristics				
Safety Recognition (footnotes)	11 & 12mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20μS)		Typical Capaci- tance 1KHz25°C Picofarads
			Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (10 x 1000μS)	Peak Current (8 x 20μS)	MIN	MAX			
			Volts	Volts	Joules	Amperes	Volts	Volts	Volts	Amperes	
1	MOV11500ALA	M500-AL	50	66	8.0	500	74	90	147	30	1800
1	MOV11600EPA	M600-EP	60	81	9.0	500	90	110	175	30	1700
1	MOV11750AMA	M750-AM	75	102	10.0	2500	08	132	210	30	1300
1	MOV11950APA	M950-AP	95	127	13.0	2500	135	165	255	30	1100
1 2 3	MOV11121EQA	M121-EQ	120	160	18.0	2500	170	207	320	30	910
1 2 3 4	MOV11131AQA	M131-AQ	130	175	20.0	2500	184	224	340	30	680
1 2 3 4	MOV11141EKA	M141-EK	140	180	22.0	2500	198	242	360	30	600
1 2 3 4	MOV11151ASA	M151-AS	150	200	23.0	2500	212	259	395	30	550
1 5	MOV12500AMA	M500-AM	50	66	10.0	700	74	90	147	40	2200
1 5	MOV12600ANA	M600-AN	60	81	11.0	700	90	110	175	40	2000
1 5	MOV12750APA	M750-AP	75	102	13.0	3500	108	132	210	40	1600
1 5	MOV12950EFA	M950-EF	95	127	17.0	3500	135	165	255	40	1300
1 2 3 5	MOV12121CRA	M121-CR	120	160	24.0	3500	170	207	320	40	560
1 2 3 4 5	MOV12131ERA	M131-ER	130	175	26.0	3500	184	224	340	40	560
1 2 3 4 5	MOV12141ESA	M141-ES	140	180	28.0	3500	198	242	360	40	510
1 2 3 4 5	MOV12151CSA	M151-CS	150	200	30.0	3500	212	259	395	40	470
1 2 3 4 5	MOV12181CTA	M181-CT	180	230	35.0	3500	255	311	465	40	430
1 2 3 4 5	MOV12231EHA	M231-EH	230	300	50.0	3500	326	397	595	40	360
1 2 3 4 5	MOV12251CXA	M251-CX	250	330	55.0	3500	354	432	650	40	320
1 2 3 4 5	MOV12271EIA	M271-EI	270	360	60.0	3500	382	466	710	40	300
1 2 3 4 5	MOV12301CYA	M301-CY	300	390	65.0	3500	425	518	790	40	270
1 2 3 4 5	MOV12321CZA	M321-CZ	320	420	70.0	3500	453	553	850	40	240
1 2 3 4 5	MOV12421CZA	M421-CZ	420	560	70.0	3500	594	725	1120	40	200
1 2 3 5	MOV12481DBA	M461-DB	480	615	80.0	3500	651	795	1200	40	200
1 2 3 4 5	MOV12511ENA	M481-EN	510	640	85.0	3500	679	829	1240	40	200
1 2 3 4 5	MOV12551DPA	M551-DP	550	700	90.0	3500	778	950	1400	40	180
1 2 3 4	MOV12581ETA	M581-ET	580	735	95.0	3500	821	1002	1500	40	160
1 2 3	MOV12621DCA	M621-DC	620	800	100.0	3500	877	1071	1500	40	150
1 2 3 4	MOV12681DQA	M681-DQ	680	860	105.0	3500	962	1175	1800	40	140

1 = UL1449 Surge Suppression

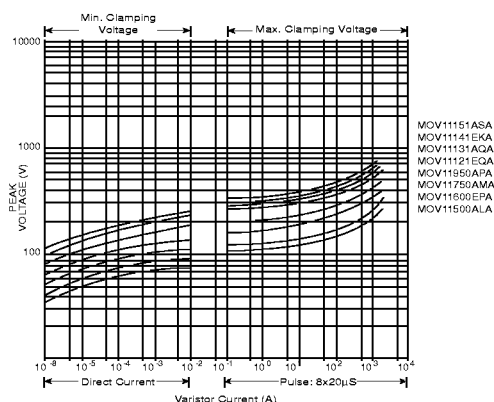
2 = UL1414 Across-The-Line

3 = CSA

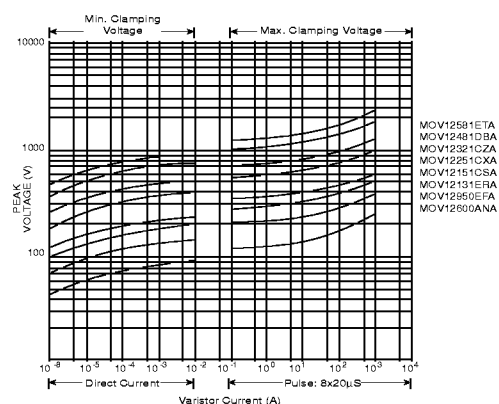
4 = VDE/CECC 42000/42201

5 = UL497B Data Communication

11 Series Typical Voltage Current Characteristics



12 Series Typical Voltage Current Characteristics



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05 Series to 25 Series – Through Hole MOV's

14mm Series

				Maximum Ratings				Electrical Characteristics					
Safety Recognition (footnotes)		14mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20µS)		Typical Capaci- tance 1KHz25°C	
				Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (10 x 1000µS)	Peak Current (8 x 20µS)						
				Volts	Volts	Joules	Amperes	MIN	MAX	Volts	Volts		Volts
1	5	MOV14110DYA	M110-DY	11	14	3.5	1000	16	20	36	10	18000	
1	5	MOV14140AIA	M140-AI	14	18	4.0	1000	20	24	43	10	15000	
1	5	MOV14170AJA	M170-AJ	17	22	5.0	1000	24	30	53	10	10000	
1	5	MOV14200AKA	M200-AK	20	26	6.0	1000	30	36	65	10	7500	
1	5	MOV14250ECA	M250-EC	25	31	7.0	1000	35	43	77	10	6500	
1	5	MOV14300EJA	M300-EJ	30	38	8.5	1000	42	52	93	10	5500	
1	5	MOV14350AMA	M350-AM	35	45	10.0	1000	50	62	110	10	4500	
1	5	MOV14400AOA	M400-AO	40	56	12.0	1000	61	75	135	10	3300	
1	5	MOV14500CQA	M500-CQ	50	66	15.0	4500	74	90	147	50	2900	
1	5	MOV14600AQA	M600-AQ	60	81	20.0	4500	90	110	175	50	2400	
1	5	MOV14750EKA	M750-EK	75	102	22.0	4500	08	132	210	50	1900	
1	5	MOV14950CSA	M950-CS	95	127	30.0	4500	135	165	255	50	1500	
1 2 3	5	MOV14121CTA	M121-CT	120	160	35.0	4500	170	207	320	50	820	
1 2 3 4	5	MOV14131ELA	M131-EL	130	175	38.0	4500	184	224	340	50	750	
1 2 3 4	5	MOV14141CVA	M141-CV	140	180	42.0	4500	198	242	360	50	680	
1 2 3 4	5	MOV14151CWA	M151-CW	150	200	45.0	4500	212	259	395	50	620	
1 2 3 4	5	MOV14181CXA	M181-CX	180	230	55.0	4500	255	311	465	50	560	
1 2 3	5	MOV14211CYA	M211-CY	210	270	65.0	4500	297	363	545	50	620	
1 2 3 4	5	MOV14231CZA	M231-CZ	230	300	70.0	4500	326	397	595	50	470	
1 2 3 4	5	MOV14251EOA	M251-EO	250	330	72.0	4500	354	432	650	50	430	
1 2 3 4	5	MOV14271DAA	M271-DA	270	360	75.0	4500	382	466	710	50	390	
1 2 3 4	5	MOV14301DBA	M301-DB	300	390	80.0	4500	425	518	790	50	360	
1 2 3 4	5	MOV14321DPA	M321-DP	320	420	90.0	4500	453	553	850	50	360	
1 2 3	5	MOV14361ENA	M361-EN	360	470	85.0	4500	522	638	960	50	300	
1	3	5	MOV14391ENA	M391-EN	390	505	85.0	4500	552	674	1025	50	270
1	3	5	MOV14401ENA	M401-EN	400	530	85.0	4500	585	715	1070	50	270
1 2 3 4	5	MOV14421DPA	M421-DP	420	560	90.0	4500	594	725	1120	50	270	
1 2 3	5	MOV14461DCA	M461-DC	460	615	100.0	4500	651	795	1240	50	230	
1 2 3 4	5	MOV14481DQA	M481-DQ	480	640	105.0	4500	679	829	1240	50	220	
1 2 3 4	5	MOV14511DRA	M511-DR	510	675	110.0	4500	722	881	1350	50	220	
1 2 3 4	5	MOV14551DEA	M551-DE	550	700	115.0	4500	778	950	1400	50	200	
1 2 3 4	5	MOV14581EMA	M581-EM	580	735	120.0	4500	821	1002	1500	50	200	
1 2 3 4	5	MOV14621DFA	M621-DF	620	800	130.0	4500	877	1071	1620	50	180	
1 2 3 4	5	MOV14681DHA	M681-DH	680	860	150.0	4500	962	1175	1800	50	150	
1	3	5	MOV14751FBA	M751-FB	750	900	165.0	4500	1080	1320	2100	50	140
1 2 3 4	5	MOV14102DGA	M102-DG	1000	1200	220.0	4500	1414	1728	2700	50	130	

1 = UL1449 Surge Suppression

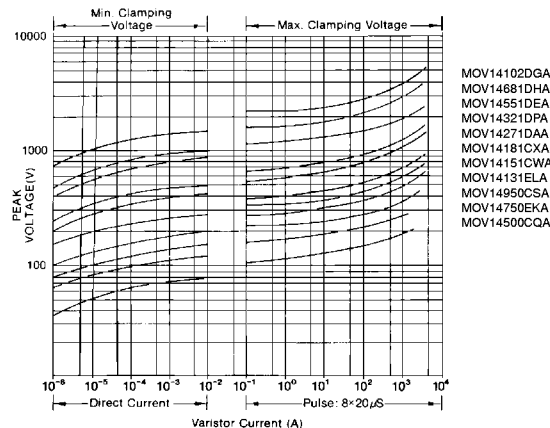
2 = UL1414 Across-The-Line

3 = CSA

4 = VDE/CECC 42000/42201

5 = UL497B Data Communication

14 Series Typical Voltage Current Characteristics



BIF document: 3503



For complete specification data, call Bussmann Information Fax ~ 314.527.1450

05 Series to 25 Series – Through Hole MOV's

18mm Series

			Maximum Ratings				Electrical Characteristics				
Safety Recognition (footnotes)	18mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20μS)		Typical Capaci- tance 1KHz25°C Picofarads
			Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (10 x 1000μS)	Peak Current (8 x 20μS)					
			Volts	Volts	Joules	Amperes	Volts	Volts	Volts	Amperes	
1 2 3 5	MOV18131CZA	M131-CZ	130	175	70	6500	184	224	340	100	1500
1 2 3 5	MOV18141DAA	M141-DA	140	180	75	6500	198	242	360	100	1300
1 2 3 5	MOV18151DBA	M151-DB	150	200	80	6500	212	259	395	100	1200
1 2 3 4 5	MOV18181CYA	M181-CY	180	230	65	5500	255	311	465	75	1100
1 2 3 4 5	MOV18231DBA	M231-DB	230	300	80	5500	326	397	595	75	910
1 2 3 4 5	MOV18251DPA	M251-DP	250	330	90	5500	354	432	650	75	820
1 2 3 4 5	MOV18271DCA	M271-DC	270	360	100	5500	382	466	710	75	750
1 2 3 4 5	MOV18301DQA	M301-DQ	300	390	105	5500	425	518	790	75	680
1 2 3 4 5	MOV18321DRA	M321-DC	320	420	110	5500	453	553	850	75	620
1 3 5	MOV18361DRA	M361-DR	360	470	110	5500	522	638	950	75	510
1 3 5	MOV18391DRA	M391-DR	390	500	110	5500	552	674	1040	75	470
1 2 3 4 5	MOV18421DRA	M421-DR	420	560	110	5500	594	725	1120	75	430
1 2 3 5	MOV18461EMA	M461-EM	460	615	120	5500	651	795	1200	75	390
1 2 3 4 5	MOV18481DFA	M481-DF	480	640	130	5500	679	829	1240	75	390
1 2 3 4 5	MOV18511DDA	M511-DD	510	675	140	5500	722	881	1350	75	360
1 2 3 4 5	MOV18551DSA	M551-DS	550	700	145	5500	778	950	1400	75	330
1 2 3 4	MOV18581DJA	M581-DJ	580	735	160	5500	821	1002	1500	75	300
1 2 3 4	MOV18621DTA	M621-DT	620	800	170	5500	877	1071	1620	75	270
1 3 4	MOV18681DOA	M681-DO	680	860	200	5500	962	1175	1800	75	250
1 3	MOV18751DGA	M751-DG	750	900	220	5500	1080	1320	2000	75	240
1 2 3 4	MOV18102DUA	M102-DU	1000	1200	280	5500	1414	1728	2700	75	220

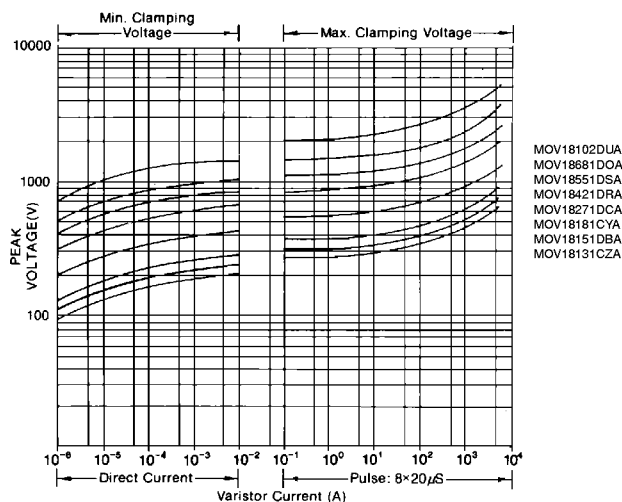
1 = UL1449 Surge Suppression

2 = UL1414 Across-The-Line

3 = CSA

4 = VDE/CECC 42000/42201

5 = UL497B Data Communication

18 Series Typical Voltage
Current Characteristics

BIF document: 3503



05 Series to 25 Series – Through Hole MOV's

20mm Series

				Maximum Ratings				Electrical Characteristics					
Safety Recognition (footnotes)		20mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20µS)		Typical Capaci- tance 1KHz25°C	
				Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (10 x 1000µS)	Peak Current (8 x 20µS)	MIN	MAX	Volts	Amperes	Picofarads	
				Volts	Volts	Joules	Amperes	Volts	Volts				
1	5	MOV20110AMA	M110-AM	11	14	10	2000	16	20	36	20	37000	
1	5	MOV20140APA	M140-AP	14	18	13	2000	20	24	43	20	30000	
1	5	MOV20170CQA	M170-CQ	17	22	15	2000	24	30	53	20	22000	
1	5	MOV20200AQA	M200-AQ	20	26	20	2000	30	36	65	20	17000	
1	5	MOV20250CRA	M250-CR	25	31	24	2000	35	43	77	20	15000	
1	5	MOV20300CSA	M300-CS	30	38	30	2000	42	52	93	20	13000	
1	5	MOV20350CTA	M350-CT	35	45	35	2000	50	62	110	20	11000	
1	5	MOV20400CUA	M400-CU	40	56	40	2000	61	75	135	20	7000	
1	5	MOV20500CVA	M500-CV	50	65	42	6500	74	90	135	100	5500	
1	5	MOV20600CWA	M600-CW	60	85	45	6500	90	110	165	100	4800	
1	5	MOV20750CXA	M750-CX	75	100	55	6500	108	132	200	100	3800	
1	5	MOV20950CYA	M950-CY	95	125	65	6500	135	165	250	100	3000	
1 2 3	5	MOV20121CYA	M121-CY	120	160	65	6500	170	207	320	100	1800	
1 2 3 4 5		MOV20131FXA	M131-FX	130	175	70	6500	184	224	340	100	1800	
1 2 3 4 5		MOV20141FYA	M141-FY	140	180	75	6500	198	242	360	100	1600	
1 2 3 4 5		MOV20151FZA	M151-FZ	150	200	80	6500	212	259	395	100	1500	
1 2 3 4 5		MOV20181DCA	M181-DC	180	230	100	6500	255	311	465	100	1300	
1 2 3	5	MOV20211DRA	M211-DR	210	270	110	6500	297	363	545	100	1200	
1 2 3 4 5		MOV20231DEA	M231-DE	230	300	115	6500	326	397	595	100	1100	
1 2 3 4 5		MOV20251DFA	M251-DF	250	330	130	6500	354	432	650	100	1000	
1 2 3 4 5		MOV20271DDA	M271-DD	270	360	140	6500	382	466	710	100	910	
1 2 3 4 5		MOV20301DHA	M301-DH	300	390	150	6500	425	518	790	100	820	
1 2 3 4 5		MOV20321DJA	M321-DJ	320	420	160	6500	453	553	850	100	750	
1 2 3	5	MOV20361DJA	M361-DJ	360	470	160	6500	522	638	935	100	680	
1	3	5	MOV20391DHA	M391-DH	390	505	150	6500	552	674	1025	100	620
1 2 3 4 5		MOV20421DJA	M421-DJ	420	560	160	6500	594	725	1120	100	560	
1 2 3	5	MOV20461DLA	M461-DL	460	615	175	6500	651	795	1240	100	420	
1 2 3 4 5		MOV20481DMA	M481-DM	480	640	180	6500	679	829	1240	100	400	
1 2 3 4 5		MOV20511DNA	M511-DN	510	675	190	6500	722	881	1350	100	380	
1 2 3 4 5		MOV20551DOA	M551-DO	550	700	200	6500	778	950	1400	100	470	
1 2 3 4		MOV20581DGA	M581-DG	580	735	220	6500	821	1002	1500	100	430	
1 2 3 4		MOV20621DIA	M621-DI	620	800	230	6500	877	1071	1620	100	390	
1 2 3 4		MOV20681DKA	M681-DK	680	860	260	6500	962	1175	1800	100	360	
1 2 3 4		MOV20102BSA	M102-BS	1000	1200	360	6500	1414	1728	2700	100	330	

1 = UL1449 Surge Suppression

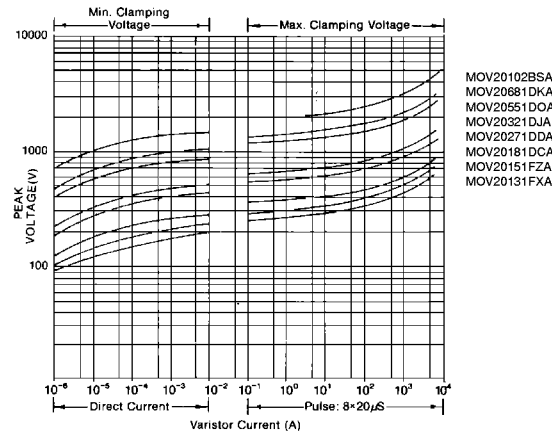
2 = UL1414 Across-The-Line

3 = CSA

4 = VDE/CECC 42000/42201

5 = UL497B Data Communication

20 Series Typical Voltage Current Characteristics



For complete specification data, call Bussmann Information Fax ~ 314.527.1450

BIF document: 3503

05 Series to 25 Series – Through Hole MOV's

25mm Series

			Maximum Ratings					Electrical Characteristics				
Safety Recognition (footnotes)	25mm Diameter Bussmann Number	Minimum Marking	Continuous		Transient		Varistor Voltage (@ 1.0mA DC)		Max Clamping Voltage @ Test Current (8 x 20μS)		Typical Capaci- tance 1KHz25°C	
			Applicable Voltage (AC)	Applicable Voltage (DC)	Energy (8 x x 20μS)	Peak Current (8 x 20μS)						
			Volts	Volts	Joules	Amperes	MIN	MAX	Volts	Amperes		Picofarads
			1 2 3 5	MOV25131FEA	M131-FE	130	175	140	13000	184	224	325
1 2 3 5	MOV25141FFA	M141-FF	140	180	150	13000	198	242	345	100	3100	
1 2 3 5	MOV25151FGA	M151-FG	150	200	160	13000	212	259	360	100	3000	
1 2 3 5	MOV25181FHA	M181-FH	180	230	200	13000	255	311	455	100	2400	
1 2 3 5	MOV25211FIA	M211-FI	210	270	220	13000	297	363	540	100	2100	
1 2 3 5	MOV25231FJA	M231-FJ	230	300	230	13000	326	397	590	100	1900	
1 2 3 5	MOV25251FKA	M251-FK	250	330	260	13000	354	432	620	100	1800	
1 2 3 5	MOV25271FLA	M271-FL	270	360	280	13000	382	466	680	100	1600	
1 2 3 5	MOV25301FMA	M301-FM	300	390	300	13000	425	518	760	100	1500	
1 2 3 5	MOV25321FNA	M321-FN	320	420	320	13000	453	553	810	100	1400	
1 2 3 5	MOV25361FNA	M361-FN	360	470	320	13000	522	638	932	100	1300	
1 3 5	MOV25391FNA	M391-FN	390	505	320	13000	552	674	1025	100	1200	
1 2 3 5	MOV25421FNA	M421-FN	420	560	320	13000	594	725	1060	100	1100	
1 2 3 5	MOV25461FOA	M461-FO	460	615	340	13000	651	795	1120	100	1000	
1 2 3 5	MOV25481FPA	M481-FP	480	640	360	13000	679	829	1160	100	910	
1 2 3 5	MOV25511FQA	M511-FQ	510	675	380	13000	722	881	1280	100	860	
1 2 3 5	MOV25551FRA	M551-FR	550	700	400	13000	778	950	1360	100	800	
1 3	MOV25581FSA	M581-FS	580	735	440	13000	821	1002	1430	100	750	
1 2 3	MOV25621FTA	M621-FT	620	800	460	13000	877	1071	1540	100	700	
1 3	MOV25681FUA	M681-FU	680	860	520	13000	962	1750	1700	100	650	
1 2 3	MOV25751FVA	M751-FV	750	900	560	13000	1080	1300	1880	100	510	
1 2 3	MOV25102FWA	M102-FW	1000	1200	720	13000	1414	1728	2500	100	380	

1 = UL1449 Surge Suppression

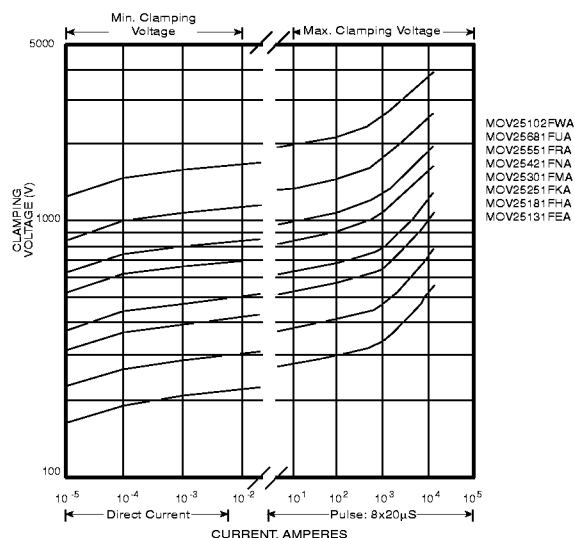
2 = UL1414 Across-The-Line

3 = CSA

4 = VDE/CECC 42000/42201

5 = UL497B Data Communication

25 Series Typical Voltage Current Characteristics



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