

Surface Mount Multilayer Varistors

Normal Surge Protection (NA) Series

Features:

- Fast Response < 0.5 ns
- Low Capacitance
- Low Clamping Voltage and High Energy Absorption

Application Fields:

- Telecommunications
- Automotive Systems
- Data Systems
- Power Supplies

Ordering Information:

Part Number	Working Voltage (max)		Breakdown Voltage	Peak Current (max)	Clamping Voltage (max)		Energy Absorption (max)	Typical Capacitance Ref.
	AC (V _{RMS})	DC (V)	1 mA (V)	8/20 μ s (A)	(A)	(V)	10/1000 μ s (J)	1 KHz (pF)
MLV0402NA006V0020	4	5.5	8 (7.5~10.5)	20	1	20	0.05	200
MLV0402NA009V0020	6	9	12 (10.2~13.8)	20	1	23	0.05	135
MLV0402NA011V0020	8	11	15 (12.8~17.3)	20	1	25	0.05	75
MLV0402NA014V0020	11	14	18 (15.3~20.7)	20	1	30	0.05	50
MLV0402NA018V0020	14	18	24 (21.6~26.4)	20	1	39	0.05	45
MLV0603NA006V0030	4	5.5	8 (7.5~10.5)	30	1	20	0.1	360
MLV0603NA009V0030	6	9	12 (10.2~13.8)	30	1	23	0.1	300
MLV0603NA014V0030	11	14	18 (15.3~20.7)	30	1	30	0.1	210
MLV0603NA018V0030	14	18	24 (21.6~26.4)	30	1	39	0.1	160
MLV0603NA022V0030	17	22	27 (24.3~29.7)	30	1	44	0.1	145
MLV0603NA030V0030	25	30	39 (35.1~42.9)	30	1	65	0.1	110
MLV0603NA038V0030	30	38	47 (42.3~51.7)	30	1	77	0.1	90
MLV0805NA006V0080	4	5.5	8 (7.5~10.5)	80	1	20	0.1	1400
MLV0805NA009V0080	6	9	12 (10.2~13.8)	80	1	23	0.1	650
MLV0805NA011V0100	8	11	15 (12.75~17.25)	100	1	25	0.2	410
MLV0805NA014V0100	11	14	18 (15.3~20.7)	100	1	30	0.2	350
MLV0805NA018V0100	14	18	24 (21.6~26.4)	100	1	39	0.2	300
MLV0805NA022V0100	17	22	27 (24.3~29.7)	100	1	44	0.2	250
MLV0805NA026V0100	20	26	33 (29.7~36.3)	100	1	54	0.3	220
MLV0805NA030V0100	25	30	39 (35.1~42.9)	100	1	65	0.3	200
MLV0805NA038V0100	30	38	47 (42.3~51.7)	100	1	77	0.3	150
MLV0805NA045V0080	35	45	56 (50.4~61.6)	80	1	90	0.3	110
MLV1206NA006V0100	4	5.5	8 (7.5~10.5)	100	1	20	0.2	3100
MLV1206NA014V0100	11	14	18 (15.3~20.7)	100	1	30	0.3	800
MLV1206NA018V0100	14	18	24 (21.6~26.4)	100	1	38	0.3	620
MLV1206NA022V0100	17	22	27 (24.3~29.7)	100	1	44	0.4	700
MLV1206NA026V0100	20	26	33 (29.7~36.3)	100	1	54	0.5	480
MLV1206NA030V0100	25	30	39 (35.1~42.9)	100	1	65	0.6	400

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	AC (V _{RMS})	DC (V)	1 mA (V)	8/20 μ s (A)	(A)	(V)	10/1000 μ s (J)	1 KHz (pF)
MLV1206NA038V0100	30	38	47 (42.3~51.7)	100	1	77	0.7	260
MLV1206NA045V0100	35	45	56 (50.4~61.6)	100	1	90	0.8	230
MLV1206NA056V0100	40	56	68 (61.2~74.8)	100	1	110	1.0	200
MLV1206NA065V0100	50	65	82 (73.8~90.2)	100	1	135	0.5	175
MLV1206NA085V0100	60	85	100 (90~110)	100	1	165	0.6	150
MLV1210NA006V0250	4.5	5.5	8 (7.5~10.5)	250	2.5	20	0.5	5200
MLV1210NA018V0250	14	18	24 (21.6~26.4)	250	2.5	38	0.8	1150
MLV1210NA022V0250	17	22	27 (24.3~29.7)	250	2.5	44	1.0	1720
MLV1210NA026V0250	20	26	33 (29.7~36.3)	250	2.5	54	1.2	610
MLV1210NA030V0250	25	30	39 (35.1~42.9)	250	2.5	65	1.4	920
MLV1210NA038V0250	30	38	47 (42.3~51.7)	250	2.5	77	1.6	780
MLV1210NA045V0250	35	45	56 (50.4~61.6)	250	2.5	90	2.0	400
MLV1210NA056V0250	40	56	68 (61.2~74.8)	250	2.5	110	2.3	300
MLV1210NA085V0200	60	85	100 (90~110)	200	2.5	165	1.4	210
MLV1812NA018V0500	14	18	24 (21.6~26.4)	500	5	38	1.7	2000
MLV1812NA030V0500	25	30	39 (35.1~42.9)	500	5	65	2.9	2500
MLV1812NA038V0500	30	38	47 (42.3~51.7)	500	5	77	3.5	2200
MLV1812NA045V0500	35	45	56 (50.4~61.6)	500	5	90	4.2	1000
MLV2220NA018V1000	14	18	24 (21.6~26.4)	1000	10	38	3.1	8500
MLV2220NA030V1000	25	30	39 (35.1~42.9)	1000	10	65	5.5	3900
MLV2220NA038V1000	30	38	47 (42.3~51.7)	1000	10	77	6.3	4600
MLV2220NA056V1000	40	56	68 (61.2~74.8)	1000	10	110	8.8	4000

Mouser Electronics

Authorized Distributor

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AEM:

MLV0603NA009V0030T	MLV0805NA009V0080T	MLV2220NA009V1000T	MLV1210NA056V0250T
MLV1812NA085V0400T	MLV1206NA009V0100T	MLV1812NA090V0400T	MLV0805NA014V0100T
MLV0603NA038V0030T	MLV1210NA030V0250T	MLV0805NA003V0040T	MLV1210NA006V0250T
MLV1206NA014V0100T	MLV1210NA014V0250T	MLV1812NA065V0400T	MLV0603NA006V0030T
MLV0805NA026V0100T	MLV1812NA030V0500T	MLV1206NA030V0100T	MLV0603NA003V0030T
MLV1210NA017V0250T	MLV2220NA017V1000T	MLV2220NA026V1000T	MLV1210NA038V0250T
MLV1210NA022V0250T	MLV0805NA056V0080T	MLV0402NA014V0020T	MLV1206NA038V0100T
MLV1206NA018V0100T	MLV0603NA026V0030T	MLV0402NA006V0020T	MLV0603NA022V0030T
MLV1206NA065V0100T	MLV1206NA056V0100T	MLV0805NA065V0060T	MLV1812NA011V0500T
MLV1210NA065V0250T	MLV2220NA038V1000T	MLV2220NA011V1000T	MLV1812NA017V0500T
MLV1812NA022V0500T	MLV2220NA056V1000T	MLV0603NA018V0030T	MLV2220NA022V1000T
MLV0603NA045V0030T	MLV1210NA011V0250T	MLV0402NA018V0020T	MLV1812NA056V0500T
MLV0805NA006V0080T	MLV1206NA085V0100T	MLV1812NA045V0500T	MLV0402NA017V0020T
MLV0402NA003V0020T	MLV0805NA045V0080T	MLV1206NA017V0100T	MLV1812NA038V0500T
MLV1210NA026V0250T	MLV0402NA038V0020T	MLV1812NA009V0500T	MLV1206NA090V0100T
MLV0402NA030V0020T	MLV0805NA017V0100T	MLV1812NA026V0500T	MLV2220NA018V1000T
MLV0402NA009V0020T	MLV1812NA018V0500T	MLV0805NA011V0100T	MLV2220NA085V0800T
MLV2220NA090V0800T	MLV0402NA026V0020T	MLV2220NA014V1000T	MLV0805NA030V0100T
MLV0805NA018V0100T	MLV0805NA022V0100T	MLV0603NA011V0030T	MLV1206NA003V0060T
MLV2220NA065V0800T	MLV1812NA014V0500T	MLV1210NA085V0200T	MLV1206NA022V0100T
MLV1206NA026V0100T	MLV1210NA045V0250T	MLV0402NA011V0020T	MLV1210NA009V0250T
MLV0603NA030V0030T	MLV1206NA006V0100T	MLV0805NA038V0100T	MLV2220NA045V1000T
MLV0603NA017V0030T	MLV1210NA018V0250T	MLV1812NA127V0300T	MLV2220NA030V1000T
MLV0402NA022V0020T	MLV1206NA011V0100T	MLV1210NA090V0200T	MLV0603NA014V0030T
MLV1206NA045V0100T	MLV0402NA014V0020TM	MLV0402NA018V0020TM	MLV0402NA011V0020