

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	Clamping Voltage	Surge Current (max)	Typical Capacitance Ref.
	AC (V _{RMS})	DC (V)	1 mA (V)	(V)	8/20 μs (A)	1 kHz (pF)
MLV0402NA006V0020	4	5.5	8 (7.5~10.5)	20	20	200
MLV0402NA009V0020	6	9	12 (10.2~13.8)	24	20	135
MLV0402NA011V0020	6	9	12 (10.2~13.8)	24	20	135
MLV0402NA014V0020	11	14	18 (15.3~20.7)	35	20	50
MLV0402NA018V0020	14	18	24 (21.6~26.4)	44	20	45
MLV0603NA006V0030	4	5.5	8 (7.5~10.5)	20	30	650
MLV0603NA009V0030	6	9	12 (10.2~13.8)	24	30	300
MLV0603NA014V0030	11	14	18 (15.3~20.7)	30	30	210
MLV0603NA018V0030	14	18	24 (21.6~26.4)	39	30	160
MLV0603NA022V0030	17	22	27 (24.3~29.7)	44	30	145
MLV0805NA006V0080	4	5.5	8 (7.5~10.5)	20	80	1400
MLV0805NA009V0080	6	9	12 (10.2~13.8)	24	80	650
MLV0805NA011V0100	6	9	12 (10.2~13.8)	24	80	650
MLV0805NA014V0100	11	14	18 (15.3~20.7)	30	100	350
MLV0805NA022V0100	17	22	27 (24.3~29.7)	44	100	250
MLV0805NA026V0100	20	26	33 (29.7~36.3)	54	100	220
MLV0805NA030V0100	25	30	39 (35.1~42.9)	65	100	200
MLV0805NA038V0100	30	38	47 (42.3~51.7)	77	100	150
MLV0805NA045V0080	35	45	56 (50.4~61.6)	90	80	110
MLV1206NA014V0100	11	14	18 (15.3~20.7)	30	100	800
MLV1206NA018V0100	14	18	24 (21.6~26.4)	39	100	620
MLV1206NA022V0100	17	22	27 (24.3~29.7)	44	100	700
MLV1206NA026V0100	20	26	33 (29.7~36.3)	54	100	480
MLV1206NA030V0100	25	30	39 (35.1~42.9)	65	100	400

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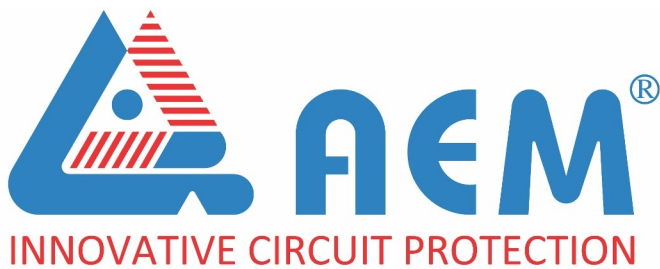
Normal Surge Protection (NA) Series

Ordering Information:

Part Number	Working Voltage (max)		Breakdown Voltage 1 mA (V)	Clamping Voltage (max) (V)	Surge Current (max) 8/20 μ s (A)	Typical Capacitance Ref. 1 kHz (pF)
	AC (V _{RMS})	DC (V)				
MLV1206NA038V0100	30	38	47 (42.3~51.7)	77	100	260
MLV1206NA045V0100	35	45	56 (50.4~61.6)	90	100	230
MLV1206NA056V0100	40	56	68 (61.2~74.8)	110	100	200
MLV1206NA065V0100	50	65	82 (73.8~90.2)	135	100	175
MLV1206NA085V0100	60	85	100 (90~110)	165	100	150
MLV1210NA018V0250	14	18	24 (21.6~26.4)	39	250	1150
MLV1210NA022V0250	17	22	27 (24.3~29.7)	44	400	1500
MLV1210NA026V0250	20	26	33 (29.7~36.3)	54	250	610
MLV1210NA030V0250	25	30	39 (35.1~42.9)	65	400	800
MLV1210NA038V0250	30	38	47 (42.3~51.7)	77	400	530
MLV1210NA045V0250	35	45	56 (50.4~61.6)	90	250	400
MLV1210NA056V0250	40	56	68 (61.2~74.8)	110	250	300
MLV1210NA085V0200	60	85	100 (90~110)	165	200	210
MLV1812NA030V0500	25	30	39 (35.1~42.9)	65	800	2350
MLV1812NA038V0500	30	38	47 (42.3~51.7)	77	800	1600
MLV1812NA045V0500	35	45	56 (50.4~61.6)	90	500	1000
MLV2220NA018V1000	14	18	24 (21.6~26.4)	39	1200	8500
MLV2220NA030V1000	25	30	39 (35.1~42.9)	65	1200	7500

Disclaimer

Specifications are subject to change without notice. AEM products are designed for specific applications and should not be used for any purpose (including, without limitation, automotive, aerospace, medical, life-saving applications, or any other application which requires especially high reliability for the prevention of such defect as may directly cause damage to the third party's life, body or property) not expressly set forth in applicable AEM product documentation. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Warranties granted by AEM shall be deemed void for products used for any purpose not expressly set forth in applicable AEM product documentation. AEM shall not be liable for any claims or damages arising out of products used in applications not expressly intended by AEM as set forth in applicable AEM product documentation. The sale and use of AEM products is subject to AEM terms and conditions of sale. Please refer to AEM's website for updated catalog and terms and conditions of sale.



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