



FEATURES

Multiple Case Sizes - High Voltage – High Current

APPLICATIONS

Filtering – Switching Power Supplies

Operating Temperature Range		-40°C to +85°C (10VDC to 250VDC) -25°C to +85°C (350VDC to 500VDC)															
Capacitance Tolerance		+20% at 120 Hz, 20°C															
Surge Voltage	WVDC	10	16	25	35	50	63	80	100	160	200	250	350	400	450	500	
	SVDC	13	20	32	44	63	79	100	120	200	250	300	400	450	500	550	
Dissipation Factor (120 Hz)	WVDC	10	16	25	35	50	63	80	100	160	200	250	350	400	450	500	
	tan δ	.55	.5	.45	.4	.35	.3	.25	.2	.15	.15	.15	.15	.15	.2	.2	
		For capacitance values above 33000µF the following to the Dissipation factors values above $\frac{(\text{capacitance}-33000 \mu\text{F}) \cdot 0.1}{10000 \mu\text{F}}$ add															
Leakage Current @20°C, Rated WVDC applied		Time	5 Minutes														
		$3\sqrt{CV}$															
Impedance Ratio (120 Hz)	WVDC	10	16	25	35	50	63	80	100	160	200	250	350	400	450	500	
	-25°C/+20°C	4	4	4	4	4	4	4	4	3	3	3	3	8	8	8	
	-40°C/+20°C	15	15	15	15	15	15	15	15	15	15	15	-	-	-	-	
Load Life		2000 hours with rated voltage applied at 85°C with full rated ripple current applied															
		Capacitance Change	≤20% of initial measured value														
		Dissipation Factor	≤200% of maximum specified value														
		Leakage Current	≤100% of maximum specified value														
Shelf Life		1000 hours at 85°C with no voltage applied															
		Capacitance Change	≤20% of initial measured value														
		Dissipation Factor	≤200% of maximum specified value														
		Leakage Current	≤100% of maximum specified value														
Ripple Current Multipliers		Frequency (Hz)															
		WVDC	60	120	1k	10k											
		10 to 100	0.9	1.0	1.15	1.25											
		160 to 250	0.8	1.0	1.15	1.47											
		350 to 500	0.8	1.0	1.15	1.47											



Lead style options



LBA

+85°C Standard, 2000 hrs

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +85°C	Dims DxL (mm)
350	330	337LBA350M2DD	753.57	2.03	30x30
350	390	397LBA350M2CF	637.64	2.14	25x40
350	390	397LBA350M2DE	637.64	2.23	30x35
350	390	397LBA350M2ED	637.64	2.3	35x30
350	470	477LBA350M2DE	529.11	2.53	30x35
350	470	477LBA350M2ED	529.11	2.55	35x30
350	560	567LBA350M2DF	444.07	2.73	30x40
350	560	567LBA350M2EE	444.07	2.75	35x35
350	680	687LBA350M2EF	365.71	3.15	35x40
350	820	827LBA350M2EG	303.27	3.47	35x45
350	1000	108LBA350M2EH	248.68	3.6	35x50
400	68	686LBA400M2AC	3657.05	0.75	20x25
400	82	826LBA400M2AD	3032.68	0.82	20x30
400	82	826LBA400M2BC	3032.68	0.84	22x25
400	100	107LBA400M2AD	2486.8	0.95	20x30
400	100	107LBA400M2BD	2486.8	0.68	22x30
400	100	107LBA400M2CC	2486.8	0.99	25x25
400	120	127LBA400M2AE	2072.33	1.07	20x35
400	120	127LBA400M2BD	2072.33	1.09	22x30
400	120	127LBA400M2CC	2072.33	1.13	25x25
400	150	157LBA400M2AF	1657.86	1.22	20x40
400	150	157LBA400M2BF	1657.86	0.94	22x40
400	150	157LBA400M2CD	1657.86	1.27	25x30
400	180	187LBA400M2BF	1381.55	1.41	22x40
400	180	187LBA400M2CD	1381.55	1.44	25x30
400	180	187LBA400M2DC	1381.55	1.52	30x25
400	220	227LBA400M2BG	1130.36	1.58	22x45
400	220	227LBA400M2CE	1130.36	1.64	25x35
400	220	227LBA400M2DD	1130.36	1.66	30x30
400	270	277LBA400M2CF	921.04	1.79	25x40
400	270	277LBA400M2DD	921.04	1.82	30x30
400	330	337LBA400M2CG	753.57	2	25x45
400	330	337LBA400M2DE	753.57	2.05	30x35
400	330	337LBA400M2ED	753.57	2.05	35x30
400	390	397LBA400M2DF	637.64	2.26	30x40
400	390	397LBA400M2EE	637.64	2.28	35x35
400	470	477LBA400M2DG	529.11	2.51	30x45
400	470	477LBA400M2EF	529.11	2.54	35x40
400	470	477LBA400M2EG	529.11	2.23	35x45
400	560	567LBA400M2EF	444.07	2.85	35x40
400	680	687LBA400M2EH	365.71	3.1	35x50
400	820	827LBA400M2EH	303.27	4	35x50
450	47	476LBA450M2BC	7054.74	0.46	22x25

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +85°C	Dims DxL (mm)
450	56	566LBA450M2AC	5920.94	0.61	20x25
450	68	686LBA450M2AD	4876.07	0.7	20x30
450	68	686LBA450M2BC	4876.07	0.71	22x25
450	68	686LBA450M2CC	4876.07	0.6	25x25
450	82	826LBA450M2AE	4043.57	0.8	20x35
450	82	826LBA450M2BC	4043.57	0.86	22x25
450	100	107LBA450M2BD	3315.73	0.95	22x30
450	100	107LBA450M2BE	3315.73	0.77	22x35
450	100	107LBA450M2CC	3315.73	0.97	25x25
450	120	127LBA450M2AF	2763.11	0.99	20x40
450	120	127LBA450M2BE	2763.11	1.07	22x35
450	120	127LBA450M2CD	2763.11	1.09	25x30
450	150	157LBA450M2BF	2210.49	1.18	22x40
450	150	157LBA450M2CD	2210.49	1.25	25x30
450	150	157LBA450M2DC	2210.49	1.29	30x25
450	180	187LBA450M2BG	1842.07	1.32	22x45
450	180	187LBA450M2CE	1842.07	1.4	25x35
450	180	187LBA450M2DD	1842.07	1.45	30x30
450	220	227LBA450M2CF	1507.15	1.59	25x40
450	220	227LBA450M2DD	1507.15	1.64	30x30
450	220	227LBA450M2DF	1507.15	1.44	30x40
450	220	227LBA450M2ED	1507.15	1.66	35x30
450	270	277LBA450M2CG	1228.05	1.73	25x45
450	270	277LBA450M2DE	1228.05	1.89	30x35
450	270	277LBA450M2ED	1228.05	1.9	35x30
450	330	337LBA450M2DF	1004.77	2.12	30x40
450	330	337LBA450M2EE	1004.77	2.15	35x35
450	390	397LBA450M2DG	850.19	2.35	30x45
450	390	397LBA450M2EF	850.19	2.38	35x40
450	470	477LBA450M2EG	529.11	2.68	35x45
450	470	477LBA450M2EH	529.11	2.5	35x50
500	100	107LBA500M2CC	3315.73	0.8	25x25
500	100	107LBA500M2DC	3315.73	0.84	30x25
500	120	127LBA500M2CD	2763.11	0.89	25x30
500	120	127LBA500M2DC	2763.11	0.9	30x25
500	150	157LBA500M2CE	2210.49	1.07	25x35
500	180	187LBA500M2DE	1842.07	1.3	30x35
500	220	227LBA500M2CG	1507.15	1.4	25x45
500	270	277LBA500M2CH	1228.05	1.6	25x50
500	270	277LBA500M2DF	1228.05	1.55	30x40
500	330	337LBA500M2DG	1004.77	1.8	30x45
500	390	397LBA500M2DH	850.19	2.1	30x50