

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



LZ Parts List (1-5)

Size	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	Impedance (Ω) (20°C, 100kHz)	Ripple Current (mA rms.) (100kHz, 105°C)
D x L				max.	max.	max.	max.
4 x 5.4	6.3LZ220MLC4x5.4EC	6.3	22	0.22	3.0	3.0	60
4 x 5.4	6.3LZ330MLC4x5.4EC	6.3	33	0.22	3.0	3.0	60
5 x 5.4	6.3LZ330MLC5x5.4EC	6.3	33	0.22	3.0	1.8	95
4 x 5.4	6.3LZ470MLC4x5.4EC	6.3	47	0.22	3.0	3.0	60
5 x 5.4	6.3LZ470MLC5x5.4EC	6.3	47	0.22	3.0	1.8	95
5 x 5.4	6.3LZ680MLC5x5.4EC	6.3	68	0.22	4.3	1.8	95
6.3 x 5.4	6.3LZ680MLC6.3x5.4EC	6.3	68	0.22	4.3	1.0	140
5 x 5.4	6.3LZ101MLC5x5.4EC	6.3	100	0.22	6.3	1.8	95
6.3 x 5.4	6.3LZ101MLC6.3x5.4EC	6.3	100	0.22	6.3	1.0	140
6.3 x 5.4	6.3LZ151MLC6.3x5.4EC	6.3	150	0.22	9.5	1.0	140
6.3 x 7.7	6.3LZ151MLC6.3x7.7EC	6.3	150	0.22	9.5	0.6	230
6.3 x 5.4	6.3LZ221MLC6.3x5.4EC	6.3	220	0.22	13.9	1.0	140
6.3 x 7.7	6.3LZ221MLC6.3x7.7EC	6.3	220	0.22	13.9	0.6	230
8 x 6.2	6.3LZ221MLC8x6.2EC	6.3	220	0.22	13.9	0.6	230
6.3 x 7.7	6.3LZ331MLC6.3x7.7EC	6.3	330	0.22	20.8	0.6	230
8 x 6.2	6.3LZ331MLC8x6.2EC	6.3	330	0.22	20.8	0.6	230
8 x 10.5	6.3LZ471MLC8x10.5EC	6.3	470	0.22	29.6	0.3	450
8 x 10.5	6.3LZ681MLC8x10.5EC	6.3	680	0.22	42.8	0.3	450
8 x 10.5	6.3LZ102MLC8x10.5EC	6.3	1000	0.22	63.0	0.3	450
10 x 10.5	6.3LZ102MLC10x10.5EC	6.3	1000	0.22	63.0	0.15	670
10 x 10.5	6.3LZ152MLC10x10.5EC	6.3	1500	0.22	94.5	0.15	670
10 x 13.5	6.3LZ152MLC10x13.5EC	6.3	1500	0.22	94.5	0.13	750
10 x 13.5	6.3LZ222MLC10x13.5EC	6.3	2200	0.22	138.6	0.13	750
12.5 x 13.5	6.3LZ222MLC12.5x13.5EC	6.3	2200	0.26	138.6	0.11	820
12.5 x 13.5	6.3LZ332MLC12.5x13.5EC	6.3	3300	0.26	207.9	0.11	820
12.5 x 16	6.3LZ332MLC12.5x16EC	6.3	3300	0.26	207.9	0.09	950
16 x 16.5	6.3LZ472MLC16x16.5EC	6.3	4700	0.26	296.1	0.08	1260
4 x 5.4	10LZ220MLC4x5.4EC	10	22	0.19	3.0	3.0	60
5 x 5.4	10LZ220MLC5x5.4EC	10	22	0.19	3.0	1.8	95
4 x 5.4	10LZ330MLC4x5.4EC	10	33	0.19	3.3	3.0	60
5 x 5.4	10LZ330MLC5x5.4EC	10	33	0.19	3.3	1.8	95
5 x 5.4	10LZ470MLC5x5.4EC	10	47	0.19	4.7	1.8	95
6.3 x 5.4	10LZ470MLC6.3x5.4EC	10	47	0.19	4.7	1.0	140
6.3 x 5.4	10LZ680MLC6.3x5.4EC	10	68	0.19	6.8	1.0	140

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



LZ Parts List (2-5)

Size	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	Impedance (Ω) (20°C, 100kHz)	Ripple Current (mA rms.) (100kHz, 105°C)
D x L				max.	max.	max.	max.
6.3 x 5.4	10LZ101MLC6.3x5.4EC	10	100	0.19	10.0	1.0	140
6.3 x 7.7	10LZ101MLC6.3x7.7EC	10	100	0.19	10.0	0.6	230
8 x 6.2	10LZ101MLC8x6.2EC	10	100	0.19	10.0	0.6	230
6.3 x 5.4	10LZ151MLC6.3x5.4EC	10	150	0.19	15.0	1.0	140
6.3 x 7.7	10LZ151MLC6.3x7.7EC	10	150	0.19	15.0	0.6	230
8 x 6.2	10LZ151MLC8x6.2EC	10	150	0.19	15.0	0.6	230
6.3 x 7.7	10LZ221MLC6.3x7.7EC	10	220	0.19	22.0	0.6	230
8 x 6.2	10LZ221MLC8x6.2EC	10	220	0.19	22.0	0.6	230
8 x 10.5	10LZ331MLC8x10.5EC	10	330	0.19	33.0	0.3	450
10 x 10.5	10LZ331MLC10x10.5EC	10	330	0.19	33.0	0.15	670
8 x 10.5	10LZ471MLC8x10.5EC	10	470	0.19	47.0	0.3	450
10 x 10.5	10LZ471MLC10x10.5EC	10	470	0.19	47.0	0.15	670
10 x 10.5	10LZ681MLC10x10.5EC	10	680	0.19	68.0	0.15	670
10 x 10.5	10LZ102MLC10x10.5EC	10	1000	0.19	100.0	0.15	670
10 x 13.5	10LZ152MLC10x13.5EC	10	1500	0.19	150.0	0.13	750
12.5 x 13.5	10LZ152MLC12.5x13.5EC	10	1500	0.22	150.0	0.11	820
12.5 x 16	10LZ222MLC12.5x16EC	10	2200	0.22	220.0	0.09	950
16 x 16.5	10LZ332MLC16x16.5EC	10	3300	0.22	330.0	0.08	1260
16 x 16.5	10LZ472MLC16x16.5EC	10	4700	0.22	470.0	0.08	1260
4 x 5.4	16LZ100MLC4x5.4EC	16	10	0.16	3.0	3.0	60
4 x 5.4	16LZ150MLC4x5.4EC	16	15	0.16	3.0	3.0	60
5 x 5.4	16LZ150MLC5x5.4EC	16	15	0.16	3.0	1.8	95
4 x 5.4	16LZ220MLC4x5.4EC	16	22	0.16	3.5	3.0	60
5 x 5.4	16LZ220MLC5x5.4EC	16	22	0.16	3.5	1.8	95
5 x 5.4	16LZ330MLC5x5.4EC	16	33	0.16	5.3	1.8	95
6.3 x 5.4	16LZ330MLC6.3x5.4EC	16	33	0.16	5.3	1.0	140
5 x 5.4	16LZ470MLC5x5.4EC	16	47	0.16	7.5	1.8	95
6.3 x 5.4	16LZ470MLC6.3x5.4EC	16	47	0.16	7.5	1.0	140
6.3 x 5.4	16LZ680MLC6.3x5.4EC	16	68	0.16	10.9	1.0	140
6.3 x 7.7	16LZ680MLC6.3x7.7EC	16	68	0.16	10.9	0.6	230
8 x 6.2	16LZ680MLC8x6.2EC	16	68	0.16	10.9	0.6	230
6.3 x 5.4	16LZ101MLC6.3x5.4EC	16	100	0.16	16.0	1.0	140
6.3 x 7.7	16LZ101MLC6.3x7.7EC	16	100	0.16	16.0	0.6	230
8 x 6.2	16LZ101MLC8x6.2EC	16	100	0.16	16.0	0.6	230
6.3 x 7.7	16LZ151MLC6.3x7.7EC	16	150	0.16	24.0	0.6	230

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



LZ Parts List (3-5)

Size	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	Impedance (Ω) (20°C,100kHz)	Ripple Current (mA rms.) (100kHz,105°C)
D x L				max.	max.	max.	max.
6.3 x 7.7	16LZ221MLC6.3x7.7EC	16	220	0.16	35.2	0.6	230
8 x 6.2	16LZ221MLC8x6.2EC	16	220	0.16	35.2	0.3	230
8 x 10.5	16LZ221MLC8x10.5EC	16	220	0.16	35.2	0.3	450
8 x 10.5	16LZ331MLC8x10.5EC	16	330	0.16	52.8	0.3	450
10 x 10.5	16LZ331MLC10x10.5EC	16	330	0.16	52.8	0.15	670
8 x 10.5	16LZ471MLC8x10.5EC	16	470	0.16	75.2	0.30	450
10 x 10.5	16LZ471MLC10x10.5EC	16	470	0.16	75.2	0.15	670
10 x 10.5	16LZ681MLC10x10.5EC	16	680	0.16	108.8	0.15	670
10 x 10.5	16LZ102MLC10x10.5EC	16	1000	0.16	160.0	0.15	670
10 x 13.5	16LZ102MLC10x13.5EC	16	1000	0.16	160.0	0.13	750
12.5 x 13.5	16LZ152MLC12.5x13.5EC	16	1500	0.18	240.0	0.11	820
12.5 x 16	16LZ222MLC12.5x16EC	16	2200	0.18	352.0	0.09	950
16 x 16.5	16LZ222MLC16x16.5EC	16	2200	0.18	352.0	0.08	1260
16 x 16.5	16LZ332MLC16x16.5EC	16	3300	0.18	528.0	0.08	1260
4 x 5.4	25LZ4R7MLC4x5.4EC	25	4.7	0.14	3.0	3.0	60
4 x 5.4	25LZ6R8MLC4x5.4EC	25	6.8	0.14	3.0	3.0	60
4 x 5.4	25LZ100MLC4x5.4EC	25	10	0.14	3.0	3.0	60
5 x 5.4	25LZ100MLC5x5.4EC	25	10	0.14	3.0	1.8	95
5 x 5.4	25LZ150MLC5x5.4EC	25	15	0.14	3.8	1.8	95
5 x 5.4	25LZ220MLC5x5.4EC	25	22	0.14	5.5	1.8	95
6.3 x 5.4	25LZ220MLC6.3x5.4EC	25	22	0.14	5.5	1.0	140
5 x 5.4	25LZ330MLC5x5.4EC	25	33	0.14	8.3	1.8	95
6.3 x 5.4	25LZ330MLC6.3x5.4EC	25	33	0.14	8.3	1.0	140
6.3 x 5.4	25LZ470MLC6.3x5.4EC	25	47	0.14	11.8	1.0	140
6.3 x 7.7	25LZ470MLC6.3x7.7EC	25	47	0.14	11.8	0.6	230
8 x 6.2	25LZ470MLC8x6.2EC	25	47	0.14	11.8	0.6	230
6.3 x 7.7	25LZ680MLC6.3x7.7EC	25	68	0.14	17.0	0.6	230
6.3 x 7.7	25LZ101MLC6.3x7.7EC	25	100	0.14	25.0	0.6	230
8 x 6.2	25LZ101MLC8x6.2EC	25	100	0.14	25.0	0.6	230
6.3 x 7.7	25LZ151MLC6.3x7.7EC	25	150	0.14	37.5	0.6	230
8 x 10.5	25LZ151MLC8x10.5EC	25	150	0.14	37.5	0.3	450
8 x 10.5	25LZ221MLC8x10.5EC	25	220	0.14	55.0	0.3	450
8 x 10.5	25LZ331MLC8x10.5EC	25	330	0.14	82.5	0.3	450
10 x 10.5	25LZ331MLC10x10.5EC	25	330	0.14	82.5	0.15	670
10 x 10.5	25LZ471MLC10x10.5EC	25	470	0.14	117.5	0.15	670

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



LZ Parts List (4-5)

Size	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	Impedance (Ω) (20 $^{\circ}$ C, 100kHz)	Ripple Current (mA rms.) (100kHz, 105 $^{\circ}$ C)
D x L				max.	max.	max.	max.
10 x 13.5	25LZ681MLC10x13.5EC	25	680	0.14	170.0	0.13	750
12.5 x 13.5	25LZ102MLC12.5x13.5EC	25	1000	0.16	250.0	0.11	820
16 x 16.5	25LZ102MLC12.5x16EC	25	1000	0.16	250.0	0.08	1260
12.5 x 16	25LZ152MLC12.5x16EC	25	1500	0.16	375.0	0.09	950
16 x 16.5	25LZ222MLC16x16.5EC	25	2200	0.16	550.0	0.08	1260
4 x 5.4	35LZ010MLC4x5.4EC	35	1	0.12	3.0	3.0	60
4 x 5.4	35LZ1R5MLC4x5.4EC	35	1.5	0.12	3.0	3.0	60
4 x 5.4	35LZ2R2MLC4x5.4EC	35	2.2	0.12	3.0	3.0	60
4 x 5.4	35LZ3R3MLC4x5.4EC	35	3.3	0.12	3.0	3.0	60
4 x 5.4	35LZ4R7MLC4x5.4EC	35	4.7	0.12	3.0	3.0	60
5 x 5.4	35LZ6R8MLC5x5.4EC	35	6.8	0.12	3.0	1.8	95
4 x 5.4	35LZ100MLC4x5.4EC	35	10	0.12	3.5	3.0	60
5 x 5.4	35LZ100MLC5x5.4EC	35	10	0.12	3.5	1.8	95
5 x 5.4	35LZ150MLC5x5.4EC	35	15	0.12	5.3	1.8	95
5 x 5.4	35LZ220MLC5x5.4EC	35	22	0.12	7.7	1.8	95
6.3 x 5.4	35LZ220MLC6.3x5.4EC	35	22	0.12	7.7	1.0	140
6.3 x 5.4	35LZ330MLC6.3x5.4EC	35	33	0.12	11.6	1.0	140
8 x 6.2	35LZ330MLC8x6.2EC	35	33	0.12	11.6	1.0	230
6.3 x 5.4	35LZ470MLC6.3x5.4EC	35	47	0.12	16.5	1.0	140
6.3 x 7.7	35LZ470MLC6.3x7.7EC	35	47	0.12	16.5	0.6	230
8 x 6.2	35LZ470MLC8x6.2EC	35	47	0.12	16.5	0.6	230
6.3 x 7.7	35LZ680MLC6.3x7.7EC	35	68	0.12	23.8	0.6	230
8 x 10.5	35LZ101MLC8x10.5EC	35	100	0.12	35.0	0.3	450
8 x 10.5	35LZ151MLC8x10.5EC	35	150	0.12	52.5	0.3	450
8 x 10.5	35LZ221MLC8x10.5EC	35	220	0.12	77.0	0.3	450
10 x 10.5	35LZ221MLC10x10.5EC	35	220	0.12	77.0	0.15	670
10 x 10.5	35LZ331MLC10x10.5EC	35	330	0.12	115.5	0.15	670
10 x 10.5	35LZ471MLC10x10.5EC	35	470	0.12	164.5	0.15	670
10 x 13.5	35LZ471MLC10x13.5EC	35	470	0.12	164.5	0.13	750
12.5 x 13.5	35LZ471MLC12.5x13.5EC	35	470	0.14	164.5	0.11	820
10 x 13.5	35LZ681MLC10x13.5EC	35	680	0.12	238.0	0.13	750
12.5 x 13.5	35LZ681MLC12.5x13.5EC	35	680	0.14	238.0	0.11	820
12.5 x 16	35LZ102MLC12.5x16EC	35	1000	0.14	350.0	0.09	950
16 x 16.5	35LZ102MLC16x16.5EC	35	1000	0.14	350.0	0.08	1260
16 x 16.5	35LZ152MLC16x16.5EC	35	1500	0.14	525.0	0.08	1260

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



LZ Parts List (5-5)

Size D x L	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	Impedance (Ω) (20 $^{\circ}$ C, 100kHz)	Ripple Current (mA rms.) (100kHz, 105 $^{\circ}$ C)
				max.	max.	max.	max.
4 x 5.4	50LZ010MLC4x5.4EC	50	1	0.12	3.0	5.0	30
4 x 5.4	50LZ1R5MLC4x5.4EC	50	1.5	0.12	3.0	5.0	30
4 x 5.4	50LZ2R2MLC4x5.4EC	50	2.2	0.12	3.0	5.0	30
4 x 5.4	50LZ3R3MLC4x5.4EC	50	3.3	0.12	3.0	5.0	30
4 x 5.4	50LZ4R7MLC4x5.4EC	50	4.7	0.12	3.0	5.0	30
5 x 5.4	50LZ4R7MLC5x5.4EC	50	4.7	0.12	3.0	3.0	50
6.3 x 5.4	50LZ6R8MLC6.3x5.4EC	50	6.8	0.12	3.4	2.0	70
6.3 x 5.4	50LZ100MLC6.3x5.4EC	50	10	0.12	5.0	2.0	70
6.3 x 5.4	50LZ150MLC6.3x5.4EC	50	15	0.12	7.5	2.0	70
6.3 x 5.4	50LZ220MLC6.3x5.4EC	50	22	0.12	11.0	2.0	70
6.3 x 7.7	50LZ220MLC6.3x7.7EC	50	22	0.12	11.0	1.0	120
8 x 6.2	50LZ220MLC8x6.2EC	50	22	0.12	11.0	1.0	120
6.3 x 7.7	50LZ330MLC6.3x7.7EC	50	33	0.12	16.5	1.0	120
8 x 6.2	50LZ330MLC8x6.2EC	50	33	0.12	16.5	1.0	120
6.3 x 7.7	50LZ470MLC6.3x7.7EC	50	47	0.12	23.5	1.0	120
8 x 6.2	50LZ470MLC8x6.2EC	50	47	0.12	23.5	1.0	120
8 x 10.5	50LZ470MLC8x10.5EC	50	47	0.12	23.5	0.6	300
8 x 10.5	50LZ680MLC8x10.5EC	50	68	0.12	34.0	0.6	300
8 x 10.5	50LZ101MLC8x10.5EC	50	100	0.12	50.0	0.6	300
10 x 10.5	50LZ101MLC10x10.5EC	50	100	0.12	50.0	0.3	500
10 x 10.5	50LZ151MLC10x10.5EC	50	150	0.12	75.0	0.3	500
10 x 10.5	50LZ221MLC10x10.5EC	50	220	0.12	110.0	0.3	500
10 x 13.5	50LZ221MLC10x13.5EC	50	220	0.12	110.0	0.25	580
10 x 13.5	50LZ331MLC10x13.5EC	50	330	0.12	165.0	0.25	580
12.5 x 13.5	50LZ331MLC12.5x13.5EC	50	330	0.12	165.0	0.20	650
16 x 16.5	50LZ331MLC16x16.5EC	50	330	0.12	165.0	0.12	1060
12.5 x 16	50LZ471MLC12.5x16EC	50	470	0.12	235.0	0.15	700
16 x 16.5	50LZ471MLC16x16.5EC	50	470	0.12	235.0	0.12	1060
16 x 16.5	50LZ681MLC16x16.5EC	50	680	0.12	340.0	0.12	1060