

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



KZ 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	6.3KZ220MLC4x5.4EC	6.3	22	0.22	3.0	1.8	80
4 x 5.4	6.3KZ270MLC4x5.4EC	6.3	27	0.22	3.0	1.8	80
4 x 5.4	6.3KZ330MLC4x5.4EC	6.3	33	0.22	3.0	1.8	80
5 x 5.4	6.3KZ330MLC5x5.4EC	6.3	33	0.22	3.0	0.76	150
4 x 5.4	6.3KZ470MLC4x5.4EC	6.3	47	0.22	3.0	1.8	80
5 x 5.4	6.3KZ470MLC5x5.4EC	6.3	47	0.22	3.0	0.76	150
5 x 5.4	6.3KZ560MLC5x5.4EC	6.3	56	0.22	3.5	0.76	150
5 x 5.4	6.3KZ680MLC5x5.4EC	6.3	68	0.22	4.3	0.76	150
6.3 x 5.4	6.3KZ680MLC6.3x5.4EC	6.3	68	0.22	4.3	0.44	230
5 x 5.4	6.3KZ101MLC5x5.4EC	6.3	100	0.22	6.3	0.76	150
6.3 x 5.4	6.3KZ101MLC6.3x5.4EC	6.3	100	0.22	6.3	0.44	230
6.3 x 5.4	6.3KZ151MLC6.3x5.4EC	6.3	150	0.22	9.5	0.44	230
6.3 x 5.4	6.3KZ221MLC6.3x5.4EC	6.3	220	0.22	13.9	0.44	230
6.3 x 7.7	6.3KZ221MLC6.3x7.7EC	6.3	220	0.22	13.9	0.34	280
8 x 6.2	6.3KZ221MLC8x6.2EC	6.3	220	0.22	13.9	0.34	280
6.3 x 7.7	6.3KZ331MLC6.3x7.7EC	6.3	330	0.22	20.8	0.34	280
8 x 6.2	6.3KZ331MLC8x6.2EC	6.3	330	0.22	20.8	0.34	280
8 x 10.5	6.3KZ471MLC8x10.5EC	6.3	470	0.22	29.6	0.17	450
8 x 10.5	6.3KZ681MLC8x10.5EC	6.3	680	0.22	42.8	0.17	450
10 x 10.5	6.3KZ681MLC10x10.5EC	6.3	680	0.22	42.8	0.09	670
8 x 10.5	6.3KZ102MLC8x10.5EC	6.3	1000	0.22	63.0	0.17	450
10 x 10.5	6.3KZ102MLC10x10.5EC	6.3	1000	0.22	63.0	0.09	670
10 x 10.5	6.3KZ152MLC10x10.5EC	6.3	1500	0.22	94.5	0.09	670
10 x 13.5	6.3KZ152MLC10x13.5EC	6.3	1500	0.22	94.5	0.075	800
12.5 x 13.5	6.3KZ222MLC12.5x13.5EC	6.3	2200	0.26	138.6	0.065	900
12.5 x 16	6.3KZ332MLC12.5x16EC	6.3	3300	0.26	207.9	0.06	1050
16 x 16.5	6.3KZ472MLC16x16.5EC	6.3	4700	0.26	296.1	0.055	1350
4 x 5.4	10KZ220MLC4x5.4EC	10	22	0.19	3.0	1.8	80
4 x 5.4	10KZ270MLC4x5.4EC	10	27	0.19	3.0	1.8	80
5 x 5.4	10KZ270MLC5x5.4EC	10	27	0.19	3.0	0.76	150
4 x 5.4	10KZ330MLC4x5.4EC	10	33	0.19	3.3	1.8	80
5 x 5.4	10KZ330MLC5x5.4EC	10	33	0.19	3.3	0.76	150
5 x 5.4	10KZ470MLC5x5.4EC	10	47	0.19	4.7	0.76	150
6.3 x 5.4	10KZ470MLC6.3x5.4EC	10	47	0.19	4.7	0.44	230

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



KZ 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	10KZ560MLC6.3x5.4EC	10	56	0.19	5.6	0.44	230
6.3 x 5.4	10KZ680MLC6.3x5.4EC	10	68	0.19	6.8	0.44	230
6.3 x 5.4	10KZ101MLC6.3x5.4EC	10	100	0.19	10.0	0.44	230
6.3 x 7.7	10KZ101MLC6.3x7.7EC	10	100	0.19	10.0	0.34	280
8 x 6.2	10KZ101MLC8x6.2EC	10	100	0.19	10.0	0.34	280
6.3 x 7.7	10KZ151MLC6.3x7.7EC	10	150	0.19	15.0	0.34	280
8 x 6.2	10KZ151MLC8x6.2EC	10	150	0.19	15.0	0.34	280
6.3 x 7.7	10KZ221MLC6.3x7.7EC	10	220	0.19	22.0	0.34	280
8 x 10.5	10KZ331MLC8x10.5EC	10	330	0.19	33.0	0.17	450
8 x 10.5	10KZ471MLC8x10.5EC	10	470	0.19	47.0	0.17	450
10 x 10.5	10KZ681MLC10x10.5EC	10	680	0.19	68.0	0.09	670
10 x 10.5	10KZ102MLC10x10.5EC	10	1000	0.19	100.0	0.09	670
12.5 x 13.5	10KZ152MLC12.5x13.5EC	10	1500	0.22	150.0	0.065	900
12.5 x 16	10KZ222MLC12.5x16EC	10	2200	0.22	220.0	0.06	1050
16 x 16.5	10KZ332MLC16x16.5EC	10	3300	0.22	330.0	0.055	1350
4 x 5.4	16KZ100MLC4x5.4EC	16	10	0.16	3.0	1.8	80
4 x 5.4	16KZ150MLC4x5.4EC	16	15	0.16	3.0	1.8	80
4 x 5.4	16KZ220MLC4x5.4EC	16	22	0.16	3.5	1.8	80
5 x 5.4	16KZ220MLC5x5.4EC	16	22	0.16	3.5	0.76	150
5 x 5.4	16KZ270MLC5x5.4EC	16	27	0.16	4.3	0.76	150
5 x 5.4	16KZ330MLC5x5.4EC	16	33	0.16	5.3	0.76	150
6.3 x 5.4	16KZ330MLC6.3x5.4EC	16	33	0.16	5.3	0.44	230
5 x 5.4	16KZ470MLC5x5.4EC	16	47	0.16	7.5	0.76	150
6.3 x 5.4	16KZ470MLC6.3x5.4EC	16	47	0.16	7.5	0.44	230
6.3 x 5.4	16KZ560MLC6.3x5.4EC	16	56	0.16	9.0	0.44	230
6.3 x 5.4	16KZ680MLC6.3x5.4EC	16	68	0.16	10.9	0.44	230
6.3 x 7.7	16KZ680MLC6.3x7.7EC	16	68	0.16	10.9	0.34	280
8 x 6.2	16KZ680MLC8x6.2EC	16	68	0.16	10.9	0.34	280
6.3 x 5.4	16KZ101MLC6.3x5.4EC	16	100	0.16	16.0	0.44	230
6.3 x 7.7	16KZ101MLC6.3x7.7EC	16	100	0.16	16.0	0.34	280
8 x 6.2	16KZ101MLC8x6.2EC	16	100	0.16	16.0	0.34	280
6.3 x 7.7	16KZ151MLC6.3x7.7EC	16	150	0.16	24.0	0.34	280
6.3 x 7.7	16KZ221MLC6.3x7.7EC	16	220	0.16	35.2	0.34	280
8 x 6.2	16KZ221MLC8x6.2EC	16	220	0.16	35.2	0.34	280
8 x 10.5	16KZ221MLC8x10.5EC	16	220	0.16	35.2	0.17	450

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



KZ 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.
8 x 10.5	16KZ331MLC8x10.5EC	16	330	0.16	52.8	0.17	450
10 x 10.5	16KZ331MLC10x10.5EC	16	330	0.16	52.8	0.09	670
8 x 10.5	16KZ471MLC8x10.5EC	16	470	0.16	75.2	0.17	450
10 x 10.5	16KZ471MLC10x10.5EC	16	470	0.16	75.2	0.09	670
10 x 10.5	16KZ681MLC10x10.5EC	16	680	0.16	108.8	0.09	670
10 x 13.5	16KZ681MLC10x13.5EC	16	680	0.16	108.8	0.075	800
12.5 x 13.5	16KZ102MLC12.5x13.5EC	16	1000	0.18	160.0	0.065	900
12.5 x 16	16KZ102MLC12.5x16EC	16	1000	0.18	160.0	0.06	1050
16 x 16.5	16KZ102MLC16x16.5EC	16	1000	0.18	160.0	0.055	1350
16 x 16.5	16KZ152MLC16x16.5EC	16	1500	0.18	240.0	0.055	1350
16 x 16.5	16KZ222MLC16x16.5EC	16	2200	0.18	352.0	0.055	1350
4 x 5.4	25KZ100MLC4x5.4EC	25	10	0.14	3.0	1.8	80
5 x 5.4	25KZ150MLC5x5.4EC	25	15	0.14	3.8	0.76	150
5 x 5.4	25KZ220MLC5x5.4EC	25	22	0.14	5.5	0.76	150
6.3 x 5.4	25KZ220MLC6.3x5.4EC	25	22	0.14	5.5	0.44	230
5 x 5.4	25KZ270MLC5x5.4EC	25	27	0.14	6.8	0.76	150
6.3 x 5.4	25KZ270MLC6.3x5.4EC	25	27	0.14	6.8	0.44	230
5 x 5.4	25KZ330MLC5x5.4EC	25	33	0.14	8.3	0.76	150
6.3 x 5.4	25KZ330MLC6.3x5.4EC	25	33	0.14	8.3	0.44	230
6.3 x 5.4	25KZ470MLC6.3x5.4EC	25	47	0.14	11.8	0.44	230
6.3 x 7.7	25KZ470MLC6.3x7.7EC	25	47	0.14	11.8	0.34	280
8 x 6.2	25KZ470MLC8x6.2EC	25	47	0.14	11.8	0.34	280
6.3 x 5.4	25KZ560MLC6.3x5.4EC	25	56	0.14	14.0	0.44	230
6.3 x 7.7	25KZ560MLC6.3x7.7EC	25	56	0.14	14.0	0.34	280
6.3 x 7.7	25KZ680MLC6.3x7.7EC	25	68	0.14	17.0	0.34	280
6.3 x 7.7	25KZ101MLC6.3x7.7EC	25	100	0.14	25.0	0.34	280
8 x 6.2	25KZ101MLC8x6.2EC	25	100	0.14	25.0	0.34	280
6.3 x 7.7	25KZ151MLC6.3x7.7EC	25	150	0.14	37.5	0.34	280
8 x 10.5	25KZ151MLC8x10.5EC	25	150	0.14	37.5	0.17	450
8 x 10.5	25KZ221MLC8x10.5EC	25	220	0.14	55.0	0.17	450
8 x 10.5	25KZ331MLC8x10.5EC	25	330	0.14	82.5	0.17	450
10 x 10.5	25KZ331MLC10x10.5EC	25	330	0.14	82.5	0.09	670
10 x 10.5	25KZ471MLC10x10.5EC	25	470	0.14	117.5	0.09	670
10 x 13.5	25KZ471MLC10x10.5EC	25	470	0.14	117.5	0.075	800
12.5 x 13.5	25KZ681MLC12.5x13.5EC	25	680	0.16	170.0	0.065	900

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



KZ 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°C, 100kHz)	Ripple Current (mA rms.) (100kHz, 105°C)
D x L				max.	max.	max.	max.
12.5 x 16	25KZ102MLC12.5x16EC	25	1000	0.16	250.0	0.06	1050
16 x 16.5	25KZ102MLC16x16.5EC	25	1000	0.16	250.0	0.055	1350
16 x 16.5	25KZ152MLC16x16.5EC	25	1500	0.16	375.0	0.055	1350
4 x 5.4	35KZ4R7MLC4x5.4EC	35	4.7	0.12	3.0	1.8	80
4 x 5.4	35KZ100MLC4x5.4EC	35	10	0.12	3.5	1.8	80
5 x 5.4	35KZ100MLC5x5.4EC	35	10	0.12	3.5	0.76	150
5 x 5.4	35KZ150MLC5x5.4EC	35	15	0.12	5.3	0.76	150
5 x 5.4	35KZ220MLC5x5.4EC	35	22	0.12	7.7	0.76	150
6.3 x 5.4	35KZ220MLC6.3x5.4EC	35	22	0.12	7.7	0.44	230
6.3 x 5.4	35KZ270MLC6.3x5.4EC	35	27	0.12	9.5	0.44	230
6.3 x 5.4	35KZ330MLC6.3x5.4EC	35	33	0.12	11.6	0.44	230
8 x 6.2	35KZ330MLC8x6.2EC	35	33	0.12	11.6	0.34	280
6.3 x 5.4	35KZ470MLC6.3x5.4EC	35	47	0.12	16.5	0.44	230
6.3 x 7.7	35KZ470MLC6.3x7.7EC	35	47	0.12	16.5	0.34	280
8 x 6.2	35KZ470MLC8x6.2EC	35	47	0.12	16.5	0.34	280
6.3 x 7.7	35KZ560MLC6.3x7.7EC	35	56	0.12	19.6	0.34	280
6.3 x 7.7	35KZ680MLC6.3x7.7EC	35	68	0.12	23.8	0.34	280
8 x 10.5	35KZ101MLC8x10.5EC	35	100	0.12	35.0	0.17	450
10 x 10.5	35KZ151MLC10x10.5EC	35	150	0.12	52.5	0.09	670
10 x 10.5	35KZ221MLC10x10.5EC	35	220	0.12	77.0	0.09	670
10 x 10.5	35KZ331MLC10x10.5EC	35	330	0.12	115.5	0.09	670
10 x 13.5	35KZ471MLC10x13.5EC	35	470	0.12	164.5	0.075	800
12.5 x 13.5	35KZ471MLC12.5x13.5EC	35	470	0.14	164.5	0.065	900
12.5 x 13.5	35KZ681MLC12.5x13.5EC	35	680	0.14	238.0	0.065	900
12.5 x 16	35KZ681MLC12.5x16EC	35	680	0.14	238.0	0.06	1050
16 x 16.5	35KZ102MLC16x16.5EC	35	1000	0.14	350.0	0.055	1350
4 x 5.4	50KZ4R7MLC4x5.4EC	50	4.7	0.12	3.0	3.0	60
5 x 5.4	50KZ4R7MLC5x5.4EC	50	4.7	0.12	3.0	1.52	85
5 x 5.4	50KZ100MLC5x5.4EC	50	10	0.12	5.0	1.52	85
6.3 x 5.4	50KZ100MLC6.3x5.4EC	50	10	0.12	5.0	0.88	165
6.3 x 5.4	50KZ150MLC6.3x5.4EC	50	15	0.12	7.5	0.88	165
6.3 x 5.4	50KZ220MLC6.3x5.4EC	50	22	0.12	11.0	0.88	165
6.3 x 7.7	50KZ220MLC6.3x7.7EC	50	22	0.12	11.0	0.68	185
8 x 6.2	50KZ220MLC8x6.2EC	50	22	0.12	11.0	0.68	185

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



KZ Parts List (5-5)

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	50KZ270MLC6.3x7.7EC	50	27	0.12	13.5	0.68	185
6.3 x 7.7	50KZ330MLC6.3x7.7EC	50	33	0.12	16.5	0.68	185
8 x 6.2	50KZ330MLC8x6.2EC	50	33	0.12	16.5	0.68	185
6.3 x 7.7	50KZ470MLC6.3x7.7EC	50	47	0.12	23.5	0.68	185
8 x 6.2	50KZ470MLC8x6.2EC	50	47	0.12	23.5	0.68	185
6.3 x 7.7	50KZ560MLC6.3x7.7EC	50	56	0.12	28.0	0.68	185
8 x 10.5	50KZ560MLC8x10.5EC	50	56	0.12	28.0	0.34	350
8 x 10.5	50KZ680MLC8x10.5EC	50	68	0.12	34.0	0.34	350
8 x 10.5	50KZ101MLC8x10.5EC	50	100	0.12	50.0	0.34	350
10 x 10.5	50KZ101MLC10x10.5EC	50	100	0.12	50.0	0.18	670
10 x 10.5	50KZ151MLC10x10.5EC	50	150	0.12	75.0	0.18	670
10 x 10.5	50KZ221MLC10x10.5EC	50	220	0.12	110.0	0.18	670
10 x 13.5	50KZ221MLC10x13.5EC	50	220	0.12	110.0	0.16	750
12.5 x 13.5	50KZ331MLC12.5x13.5EC	50	330	0.12	165.0	0.14	800
12.5 x 16	50KZ471MLC12.5x16EC	50	470	0.12	235.0	0.12	900
16 x 16.5	50KZ471MLC16x16.5EC	50	470	0.12	235.0	0.10	1150