

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



EL Parts List (1-3)

Size	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	ESR (Ω) (20°C, 120Hz)	Ripple Current (mA rms.) (120Hz, 105°C)
D x L				max.	max.	max.	max.
4 x 5.8	6.3EL220MLC4x5.8EC	6.3	22	0.28	3.0	27.4	22
5 x 5.8	6.3EL330MLC5x5.8EC	6.3	33	0.28	3.0	18.3	27
5 x 5.8	6.3EL470MLC5x5.8EC	6.3	47	0.28	3.0	12.8	33
6.3 x 5.8	6.3EL101MLC6.3x5.8EC	6.3	100	0.28	6.3	6.0	50
6.3 x 5.8	6.3EL151MLC6.3x5.8EC	6.3	150	0.28	9.5	4.0	55
6.3 x 7.7	6.3EL221MLC6.3x7.7EC	6.3	220	0.28	13.9	2.7	100
8 x 10.5	6.3EL331MLC8x10.5EC	6.3	330	0.28	20.8	1.8	210
8 x 10.5	6.3EL471MLC8x10.5EC	6.3	470	0.28	29.6	1.3	210
8 x 10.5	6.3EL681MLC8x10.5EC	6.3	680	0.28	42.8	0.9	210
10 x 10.5	6.3EL102MLC10x10.5EC	6.3	1000	0.28	63.0	0.6	315
10 x 10.5	6.3EL152MLC10x10.5EC	6.3	1500	0.28	94.5	0.4	315
10 x 13.5	6.3EL152MLC10x13.5EC	6.3	1500	0.28	94.5	0.4	450
12.5 x 13.5	6.3EL222MLC12.5x13.5EC	6.3	2200	0.38	138.6	0.37	620
12.5 x 16	6.3EL332MLC12.5x16EC	6.3	3300	0.38	207.9	0.25	750
5 x 5.8	10EL220MLC5x5.8EC	10	22	0.24	3.0	23.5	25
5 x 5.8	10EL330MLC5x5.8EC	10	33	0.24	3.3	15.7	30
6.3 x 5.8	10EL470MLC6.3x5.8EC	10	47	0.24	4.7	11.0	41
6.3 x 5.8	10EL101MLC6.3x5.8EC	10	100	0.24	10.0	5.2	53
8 x 6.2	10EL101MLC8x6.2EC	10	100	0.24	10.0	5.2	110
6.3 x 7.7	10EL151MLC6.3x7.7EC	10	150	0.24	15.0	3.5	105
8 x 10.5	10EL221MLC8x10.5EC	10	220	0.24	22.0	2.4	210
8 x 10.5	10EL331MLC8x10.5EC	10	330	0.24	33.0	1.6	210
10 x 10.5	10EL471MLC10x10.5EC	10	470	0.24	47.0	1.1	315
10 x 10.5	10EL681MLC10x10.5EC	10	680	0.24	68.0	0.8	315
10 x 10.5	10EL102MLC10x10.5EC	10	1000	0.24	100.0	0.5	315
10 x 13.5	10EL102MLC10x13.5EC	10	1000	0.24	100.0	0.5	360
12.5 x 13.5	10EL152MLC12.5x13.5EC	10	1500	0.34	150.0	0.49	500
12.5 x 13.5	10EL222MLC12.5x13.5EC	10	2200	0.34	220.0	0.33	600
12.5 x 16	10EL222MLC12.5x16EC	10	2200	0.34	220.0	0.33	650
16 x 16.5	10EL332MLC16x16.5EC	10	3300	0.34	330.0	0.22	950
4 x 5.8	16EL100MLC4x5.8EC	16	10	0.20	3.0	43.1	18
5 x 5.8	16EL220MLC5x5.8EC	16	22	0.20	3.5	19.6	27
6.3 x 5.8	16EL330MLC6.3x5.8EC	16	33	0.20	5.3	13.1	40
6.3 x 5.8	16EL470MLC6.3x5.8EC	16	47	0.20	7.5	9.2	48

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



EL Parts List (2-3)

Size	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	ESR (Ω) (20 $^{\circ}$ C, 120Hz)	Ripple Current (mA rms.) (120Hz, 105 $^{\circ}$ C)
D x L				max.	max.	max.	max.
6.3 x 5.8	16EL101MLC6.3x5.8EC	16	100	0.20	16.0	4.3	60
6.3 x 7.7	16EL151MLC6.3x7.7EC	16	150	0.20	24.0	2.9	95
8 x 10.5	16EL221MLC8x10.5EC	16	220	0.20	35.2	2.0	210
8 x 10.5	16EL331MLC8x10.5EC	16	330	0.20	52.8	1.3	210
10 x 10.5	16EL471MLC10x10.5EC	16	470	0.20	75.2	0.9	315
10 x 10.5	16EL681MLC10x10.5EC	16	680	0.20	108.8	0.6	315
10 x 10.5	16EL102MLC10x10.5EC	16	1000	0.20	160.0	0.4	315
10 x 13.5	16EL102MLC10x13.5EC	16	1000	0.20	160.0	0.43	350
12.5 x 13.5	16EL102MLC12.5x13.5EC	16	1000	0.30	160.0	0.65	450
12.5 x 13.5	16EL152MLC12.5x13.5EC	16	1500	0.30	240.0	0.43	500
16 x 16.5	16EL222MLC16x16.5EC	16	2200	0.30	352.0	0.29	900
4 x 5.8	25EL4R7MLC4x5.8EC	25	4.7	0.16	3.0	73.4	13
5 x 5.8	25EL100MLC5x5.8EC	25	10	0.16	3.0	34.5	20
6.3 x 5.8	25EL220MLC6.3x5.8EC	25	22	0.16	5.5	15.7	36
6.3 x 5.8	25EL330MLC6.3x5.8EC	25	33	0.16	8.3	10.5	60
6.3 x 7.7	25EL470MLC6.3x7.7EC	25	47	0.16	11.8	7.3	90
8 x 6.2	25EL470MLC8x6.2EC	25	47	0.16	11.8	7.3	91
8 x 10.5	25EL101MLC8x10.5EC	25	100	0.16	25.0	3.5	130
8 x 10.5	25EL151MLC8x10.5EC	25	150	0.16	37.5	2.3	140
10 x 10.5	25EL221MLC10x10.5EC	25	220	0.16	55.0	1.6	190
10 x 10.5	25EL331MLC10x10.5EC	25	330	0.16	82.5	1.0	315
10 x 10.5	25EL471MLC10x10.5EC	25	470	0.16	117.5	0.7	315
10 x 13.5	25EL681MLC10x13.5EC	25	680	0.16	170.0	0.51	380
12.5 x 13.5	25EL102MLC12.5x13.5EC	25	1000	0.26	250.0	0.56	550
12.5 x 16	25EL152MLC12.5x16EC	25	1500	0.26	375.0	0.37	800
16 x 16.5	25EL222MLC16x16.5EC	25	2200	0.26	550.0	0.25	1000
4 x 5.8	35EL4R7MLC4x5.8EC	35	4.7	0.13	3.0	59.6	14
5 x 5.8	35EL100MLC5x5.8EC	35	10	0.13	3.5	28.0	21
6.3 x 5.8	35EL220MLC6.3x5.8EC	35	22	0.13	7.7	12.7	38
6.3 x 7.7	35EL330MLC6.3x7.7EC	35	33	0.13	11.6	8.5	84
8 x 6.2	35EL330MLC8x6.2EC	35	33	0.13	11.6	8.5	84
8 x 10.5	35EL470MLC8x10.5EC	35	47	0.13	16.5	6.0	98
8 x 10.5	35EL101MLC8x10.5EC	35	100	0.13	35.0	2.8	130
10 x 10.5	35EL151MLC10x10.5EC	35	150	0.13	52.5	1.9	315
10 x 10.5	35EL221MLC10x10.5EC	35	220	0.13	77.0	1.3	315

V-CHIP ALUMINUM ELECTROLYTIC CAPACITOR



EL Parts List (3-3)

Size	Part No.	R.V. (V.DC)	Cap. (μ F)	Tangent of Loss Angle ($\tan \delta$)	Leakage Current (μ A)	ESR (Ω) (20°C, 120Hz)	Ripple Current (mA rms.) (120Hz, 105°C)
D x L				max.	max.	max.	max.
10 x 10.5	35EL331MLC10x10.5EC	35	330	0.13	115.5	0.8	315
10 x 13.5	35EL471MLC10x13.5EC	35	470	0.13	164.5	0.6	360
12.5 x 13.5	35EL471MLC12.5x13.5EC	35	470	0.22	164.5	1.01	500
12.5 x 13.5	35EL681MLC12.5x13.5EC	35	680	0.22	238.0	0.70	500
12.5 x 16	35EL102MLC12.5x16EC	35	1000	0.22	350.0	0.47	550
16 x 16.5	35EL102MLC16x16.5EC	35	1000	0.22	350.0	0.47	700
4 x 5.8	50EL0R1MLC4x5.8EC	50	0.1	0.12	3.0	2587.6	1
4 x 5.8	50ELR22MLC4x5.8EC	50	0.22	0.12	3.0	1176.2	2
4 x 5.8	50ELR33MLC4x5.8EC	50	0.33	0.12	3.0	784.1	3
4 x 5.8	50ELR47MLC4x5.8EC	50	0.47	0.12	3.0	550.5	5
4 x 5.8	50EL010MLC4x5.8EC	50	1	0.12	3.0	258.8	10
4 x 5.8	50EL2R2MLC4x5.8EC	50	2.2	0.12	3.0	117.6	16
4 x 5.8	50EL3R3MLC4x5.8EC	50	3.3	0.12	3.0	78.4	16
5 x 5.8	50EL4R7MLC5x5.8EC	50	4.7	0.12	3.0	55.1	23
6.3 x 5.8	50EL100MLC6.3x5.8EC	50	10	0.12	5.0	25.9	35
6.3 x 7.7	50EL220MLC6.3x7.7EC	50	22	0.12	11.0	11.8	70
8 x 6.2	50EL220MLC8x6.2EC	50	22	0.12	11.0	11.8	70
8 x 10.5	50EL330MLC8x10.5EC	50	33	0.12	16.5	7.8	90
8 x 10.5	50EL470MLC8x10.5EC	50	47	0.12	23.5	5.5	90
10 x 10.5	50EL101MLC10x10.5EC	50	100	0.12	50.0	2.6	100
10 x 10.5	50EL151MLC10x10.5EC	50	150	0.12	75.0	1.7	100
10 x 10.5	50EL221MLC10x10.5EC	50	220	0.12	110.0	1.2	100
10 x 13.5	50EL221MLC10x13.5EC	50	220	0.12	110.0	1.18	250
12.5 x 13.5	50EL331MLC12.5x13.5EC	50	330	0.18	165.0	1.18	400
12.5 x 16	50EL471MLC12.5x16EC	50	470	0.18	235.0	0.83	500
16 x 16.5	50EL471MLC16x16.5EC	50	470	0.18	235.0	0.83	650