

ALUMINUM ELECTROLYTIC CAPACITORS

HL2 Series



- Life rating to 5,000 hours at 105°C
- Temperature range -40°C to +105°C

Rated Voltage (WVDC)	Part Number	Capacitance	Case Size ØD x L (mm)	Maximum Ripple Current (A rms) @105°C, 120Hz	Typical ESR (mΩ) @20°C, 120Hz	Typical ESL (nH)
200 Volts (Code: 2D)	HL22D221MRW	220	20 X 25	0.88	456	5
	HL22D271MRW	270	20 X 30	1.05	372	6
	HL22D331MRW	330	20 X 35	1.23	304	7
	HL22D331MRX	330	22 X 30	1.19	304	7
	HL22D331MRY	330	25 X 25	1.14	304	7
	HL22D391MRY	390	25 X 30	1.32	257	7
	HL22D471MRX	470	22 X 40	1.58	214	9
	HL22D471MRY	470	25 X 30	1.45	214	9
	HL22D471MRZ	470	30 X 25	1.42	214	9
	HL22D561MRX	560	22 X 45	1.81	179	9
	HL22D561MRY	560	25 X 35	1.67	179	9
	HL22D681MRY	680	25 X 40	1.93	148	11
	HL22D681MRZ	680	30 X 30	1.81	148	11
	HL22D821MRY	820	25 X 45	2.22	122	11
	HL22D821MRZ	820	30 X 35	2.10	122	11
	HL22D102MRZ	1000	30 X 40	2.43	100	13
	HL22D102MRA	1000	35 X 30	2.05	100	13
	HL22D122MRZ	1200	30 X 45	2.78	84	14
HL22D122MRA	1200	35 X 35	2.36	84	14	
HL22D152MRA	1500	35 X 40	2.76	67	14	
250 Volts (Code: 2E)	HL22E151MRW	150	20 X 25	0.73	496	5
	HL22E181MRW	180	20 X 30	0.85	413	5
	HL22E181MRX	180	22 X 25	0.82	413	5
	HL22E221MRW	220	20 X 30	0.94	338	6
	HL22E271MRW	270	20 X 35	1.11	275	7
	HL22E271MRY	270	25 X 25	1.03	275	7
	HL22E331MRX	330	22 X 35	1.26	225	8
	HL22E331MRY	330	25 X 30	1.21	225	8
	HL22E391MRX	390	22 X 40	1.44	191	8
	HL22E391MRY	390	25 X 35	1.39	191	8
	HL22E391MRZ	390	30 X 25	1.30	191	8
	HL22E471MRX	470	22 X 50	1.73	162	9
	HL22E471MRY	470	25 X 40	1.61	162	9
	HL22E471MRZ	470	30 X 30	1.51	162	9
	HL22E561MRY	560	25 X 45	1.84	136	9
	HL22E681MRY	680	25 X 50	2.11	112	10
	HL22E681MRZ	680	30 X 35	1.91	112	10
	HL22E821MRZ	820	30 X 40	2.20	93	11
HL22E102MRZ	1000	30 X 50	2.64	76	11	
HL22E122MRA	1200	35 X 45	2.57	64	12	
HL22E152MRA	1500	35 X 50	2.99	61	13	

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Rated Voltage (WVDC)	Part Number	Capacitance	Case Size ØD x L (mm)	Maximum Ripple Current (A rms) @105° C, 120Hz	Typical ESR (mΩ) @20° C, 120Hz	Typical ESL (nH)
400 Volts (Code: 2G)	HL22G680MRW	68	20 X 25	0.51	1121	3
	HL22G820MRW	82	20 X 30	0.60	952	3
	HL22G820MRX	82	22 X 25	0.58	952	3
	HL22G101MRW	100	20 X 35	0.70	781	3
	HL22G101MRX	100	22 X 30	0.68	781	3
	HL22G101MRY	100	25 X 25	0.65	781	3
	HL22G121MRW	120	20 X 35	0.77	651	3
	HL22G121MRX	120	22 X 35	0.79	651	3
	HL22G121MRY	120	25 X 30	0.76	651	3
	HL22G151MRX	150	22 X 40	0.93	521	4
	HL22G151MRY	150	25 X 30	0.85	521	4
	HL22G151MRZ	150	30 X 25	0.80	521	4
	HL22G181MRX	180	22 X 45	1.07	475	4
	HL22G181MRY	180	25 X 35	0.99	475	4
	HL22G181MRZ	180	30 X 30	0.93	475	4
	HL22G221MRX	220	22 X 50	1.23	389	5
	HL22G221MRY	220	25 X 40	1.15	389	5
	HL22G221MRZ	220	30 X 30	1.03	389	5
	HL22G271MRY	270	25 X 45	1.33	317	5
	HL22G271MRZ	270	30 X 35	1.21	317	5
	HL22G271MRA	270	35 X 30	1.21	317	5
	HL22G331MRZ	330	30 X 40	1.40	259	6
	HL22G331MRA	330	35 X 35	1.40	259	6
	HL22G391MRZ	390	30 X 45	1.59	219	6
HL22G391MRA	390	35 X 35	1.52	219	6	
HL22G471MRA	470	35 X 40	1.75	182	7	
HL22G561MRA	560	35 X 45	1.99	156	7	
450 Volts (Code: 2W)	HL22W470MRW	47	20 X 25	0.42	1820	3
	HL22W560MRW	56	20 X 30	0.50	1527	3
	HL22W560MRX	56	22 X 25	0.48	1527	3
	HL22W680MRW	68	20 X 30	0.55	1258	3
	HL22W680MRX	68	22 X 30	0.56	1258	3
	HL22W680MRY	68	25 X 25	0.54	1258	3
	HL22W820MRW	82	20 X 35	0.64	1043	3
	HL22W101MRX	100	22 X 35	0.72	855	4
	HL22W101MRY	100	25 X 30	0.69	855	4
	HL22W121MRX	120	22 X 40	0.83	713	5
	HL22W121MRY	120	25 X 35	0.80	713	5
	HL22W121MRZ	120	30 X 25	0.72	713	5
	HL22W151MRX	150	22 X 50	1.02	570	5
	HL22W151MRY	150	25 X 40	0.95	570	5
	HL22W151MRZ	150	30 X 30	0.85	570	5
	HL22W181MRY	180	25 X 45	1.08	475	5
	HL22W181MRZ	180	30 X 35	0.98	475	5
	HL22W221MRZ	220	30 X 40	1.14	389	10
	HL22W221MRA	220	35 X 30	1.09	389	10
	HL22W271MRZ	270	30 X 45	1.32	317	10
HL22W271MRA	270	35 X 35	1.27	317	10	
HL22W331MRZ	330	30 X 50	1.52	259	12	
HL22W331MRA	330	35 X 40	1.47	259	12	
HL22W391MRA	390	35 X 45	1.66	224	14	