

UPGRADE!

HU Series Useful of 4,000 hours at 105°C

• Conform RoHS

Features

• The HU series is the miniaturization products of 4,000 hours.



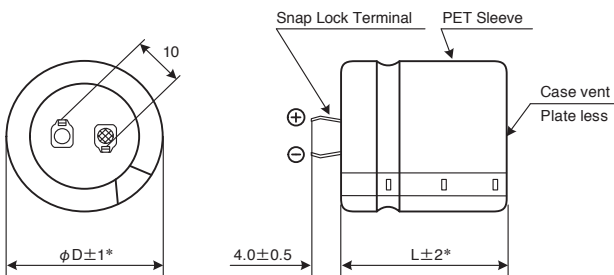
Product Specifications

Items	Specifications
Temperature range	-40°C ~ +105°C (200, 250V.DC) -25°C ~ +105°C (400 ~ 550V.DC)
Rated voltage	200 ~ 550V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
Leakage current	0.02CV (µA) or 3mA, whichever is smaller or less (20°C, after 5 minutes) [C = nominal capacitance (µF), V = rated voltage (V)]
Dissipation factor	Less than the value specified in the standard products table. (20°C, 120Hz)
Permissible ripple current	As specified in the standard products table. (105°C, 120Hz)
Endurance	After the rated voltage with specified ripple current is applied at 105°C for 2000 hours : Capacitance change : Within ±20% of the initial value measured Dissipation factor : 200% or less than the initial value specified Leakage current : Less than or equal to the initial value specified
Shelf life	The following specification shall be meet when the capacitor are restored to 20°C after storage of 500 hours at 105°C with no voltage applied. Before the measurement, the capacitor shall be preconditioned by applying the voltage treatment according to Item 4.1 of JIS C 5101-4. Capacitance change : Within ±15% of the initial value measured Dissipation factor : 175% or less than the initial value specified Leakage current : Less than or equal to the initial value specified
Others	JIS C 5101-4

Dimensions

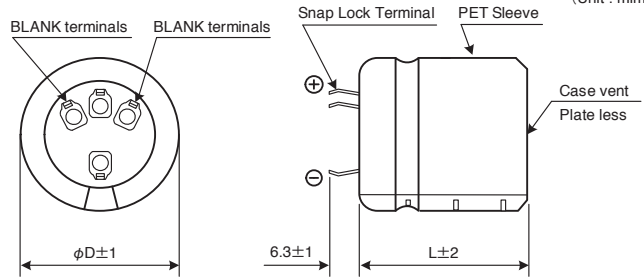
2-claw short terminal (Terminal code : C)

(Unit : mm)



4-claw terminal (Terminal code : S)

(Unit : mm)



* Products marked with "*" in the standard products table : φD±1.5, L±2.5
(For details of product specifications please request specification sheet.)

Ripple current correction coefficient

Temperature (°C)	60	70	85	105	
Correction coefficient	200~500V.DC	1.9	1.7	1.4	1.0
	550V.DC	1.7	1.5	1.3	1.0
Frequency (Hz)	50/60	120	300	1K	≥10K
Correction coefficient	0.7	1.0	1.1	1.3	1.4

A continuous load should be avoided over 10 Arms at the terminal in accordance with the permissible current. Please consult us when the ripple voltage exceeds 70Vp-p.

Product code

(Example) HU Series 400V 330µF ±20%

HU 2G 331 M C A S2 WPEC

- Environmental code
- Plate code
- Case height code
- Case dia code
- Terminal code
- Capacitance tolerance code
- Capacitance code
- Rated voltage code

Type of series

Refer to page 124-125 for other terminal shape available on request.

Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size φ D × L (mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Product name
200	330	22×25	0.15	1.07	330	HU2D331MCXS2WPEC
	390	22×30	0.15	1.24	280	HU2D391MCXS3WPEC
	470	25×25	0.15	1.31	240	HU2D471MCYS2WPEC
	560	22×35	0.15	1.58	200	HU2D561MCXS4WPEC
		25×30	0.15	1.52	200	HU2D561MCYS3WPEC
	680	22×40	0.15	1.83	160	HU2D681MCXS5WPEC
		25×35	0.15	1.77	160	HU2D681MCYS4WPEC
		30×25	0.15	1.60	160	HU2D681MCZS2WPEC
	820	22×50	0.15	2.20	140	HU2D821MCXS7WPEC
		25×40	0.15	2.05	140	HU2D821MCYS5WPEC
		30×30	0.15	1.86	140	HU2D821MCZS3WPEC
		35×25	0.15	1.52	140	HU2D821MCAS2WPEC
	1,000	25×45	0.15	2.37	110	HU2D102MCYS6WPEC
		30×35	0.15	2.17	110	HU2D102MCZS4WPEC
	1,200	25×50	0.15	2.70	100	HU2D122MCYS7WPEC
		30×40	0.15	2.49	100	HU2D122MCZS5WPEC
		35×30	0.15	1.94	100	HU2D122MCAS3WPEC
	1,500	30×45	0.15	2.91	80	HU2D152MCZS6WPEC
		35×35	0.15	2.29	80	HU2D152MCAS4WPEC
	1,800	30×50	0.15	3.32	70	HU2D182MCZS7WPEC
35×40		0.15	2.62	70	HU2D182MCAS5WPEC	
2,200	35×45	0.15	3.02	50	HU2D222MCAS6WPEC	
250	220	22×25	0.15	0.95	440	HU2E221MCXS2WPEC
	330	22×30	0.15	1.24	290	HU2E331MCXS3WPEC
		25×25	0.15	1.19	290	HU2E331MCYS2WPEC
	390	22×35	0.15	1.42	250	HU2E391MCXS4WPEC
		25×30	0.15	1.37	250	HU2E391MCYS3WPEC
	470	22×40	0.15	1.65	210	HU2E471MCXS5WPEC
		30×25	0.15	1.42	210	HU2E471MCZS2WPEC
	560	22×45	0.15	1.88	180	HU2E561MCXS6WPEC
		25×35	0.15	1.74	180	HU2E561MCYS4WPEC
	680	25×45	0.15	2.11	150	HU2E681MCYS6WPEC
		30×30	0.15	1.82	150	HU2E681MCZS3WPEC
		35×25	0.15	1.52	150	HU2E681MCAS2WPEC
		25×50	0.15	2.41	120	HU2E821MCYS7WPEC
	820	30×35	0.15	2.10	120	HU2E821MCZS4WPEC
		35×30	0.15	1.76	120	HU2E821MCAS3WPEC
	1,000	30×40	0.15	2.43	100	HU2E102MCZS5WPEC
		35×35	0.15	2.04	100	HU2E102MCAS4WPEC
	1,200	30×50	0.15	2.89	80	HU2E122MCZS7WPEC
		35×40	0.15	2.34	80	HU2E122MCAS5WPEC
	1,500	35×45	0.15	2.73	70	HU2E152MCAS6WPEC
1,800	35×50	0.15	3.11	60	HU2E182MCAS7WPEC	

Rated Voltage (V. DC)	Capacitance (μF)	Case size φ D × L (mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Product name
400	120	22×25	0.20	0.77	800	HU2G121MCXS2WPEC
	150	22×25*	0.20	0.87	640	HU2G151MCXS2WPEC
		22×30*	0.20	1.01	540	HU2G181MCXS3WPEC
	180	25×25	0.20	0.99	540	HU2G181MCYS2WPEC
		22×30*	0.20	1.11	440	HU2G221MCXS3WPEC
	220	22×35	0.20	1.17	440	HU2G221MCXS4WPEC
		25×25*	0.20	1.10	440	HU2G221MCYS2WPEC
		25×30	0.20	1.16	440	HU2G221MCYS3WPEC
	270	22×35*	0.20	1.29	360	HU2G271MCXS4WPEC
		25×30*	0.20	1.28	360	HU2G271MCYS3WPEC
		25×35	0.20	1.35	360	HU2G271MCYS4WPEC
		30×25	0.20	1.28	360	HU2G271MCZS2WPEC
	330	22×45*	0.20	1.54	290	HU2G331MCXS7WPEC
		22×50	0.20	1.59	290	HU2G331MCXS7WPEC
		25×35*	0.20	1.49	290	HU2G331MCYS4WPEC
		25×40	0.20	1.55	290	HU2G331MCYS5WPEC
		30×25*	0.20	1.41	290	HU2G331MCZS2WPEC
	390	30×30	0.20	1.49	290	HU2G331MCZS3WPEC
		35×25	0.20	1.46	290	HU2G331MCAS2WPEC
		22×50*	0.20	1.73	250	HU2G391MCXS7WPEC
		25×40*	0.20	1.68	250	HU2G391MCYS5WPEC
		25×45	0.20	1.74	250	HU2G391MCYS6WPEC
		30×30*	0.20	1.62	250	HU2G391MCZS3WPEC
		30×35	0.20	1.70	250	HU2G391MCZS4WPEC
	470	35×25*	0.20	1.59	250	HU2G391MCAS2WPEC
		25×45*	0.20	1.92	210	HU2G471MCYS6WPEC
		25×50*	0.20	1.98	210	HU2G471MCYS7WPEC
		30×35*	0.20	1.86	210	HU2G471MCZS4WPEC
		30×40	0.20	1.94	210	HU2G471MCZS5WPEC
	560	35×30	0.20	1.84	210	HU2G471MCZS6WPEC
		25×50*	0.20	2.16	180	HU2G561MCYS7WPEC
		30×40*	0.20	2.11	180	HU2G561MCZS5WPEC
		30×45	0.20	2.19	180	HU2G561MCZS6WPEC
		35×30*	0.20	2.01	180	HU2G561MCAS3WPEC
		35×35	0.20	2.09	180	HU2G561MCAS4WPEC
	680	25×60*	0.20	2.51	150	HU2G681MCYS9WPEC
		30×45*	0.20	2.41	150	HU2G681MCZS6WPEC
		30×50	0.20	2.48	150	HU2G681MCZS7WPEC
		35×35*	0.20	2.31	150	HU2G681MCAS4WPEC
		35×40	0.20	2.40	150	HU2G681MCAS5WPEC
820	30×50*	0.20	2.65	120	HU2G821MCZS7WPEC	
	35×40*	0.20	2.63	120	HU2G821MCAS5WPEC	
	35×45	0.20	2.72	120	HU2G821MCAS6WPEC	
	30×60*	0.20	3.17	100	HU2G102MCZS9WPEC	
1,000	35×50*	0.20	3.09	100	HU2G102MCAS7WPEC	
	1,200	35×55*	0.20	3.56	80	HU2G122MCAS8WPEC
1,500	35×100	0.20	3.93	70	HU2G152MSAS17WPEC	
	40×76	0.20	3.99	70	HU2G152MSBS12WPEC	
1,800	40×101	0.20	4.47	60	HU2G182MSBS17WPEC	

ALUMINUM ELECTROLYTIC CAPACITORS

SNAP MOUNT TYPE ALUMINUM ELECTROLYTIC CAPACITORS

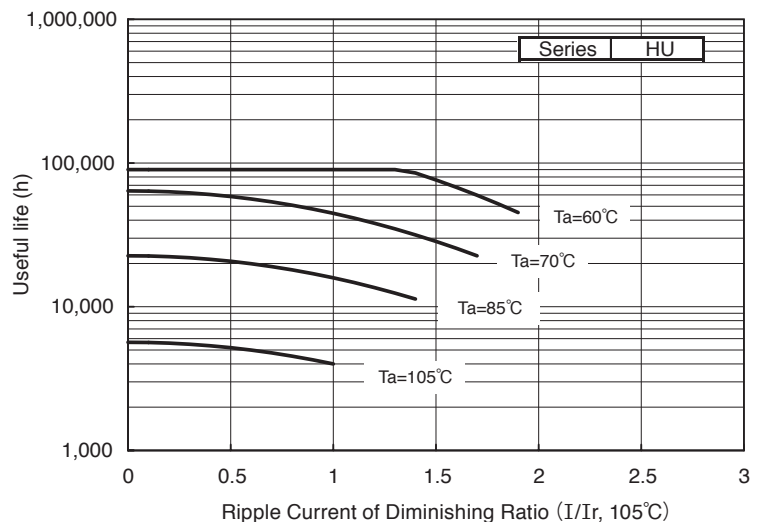
Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size φD×L (mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Product name
420	120	22×25	0.20	0.77	850	HU420V121MCXS2WPEC
		22×25*	0.20	0.87	680	HU420V151MCXS2WPEC
	150	22×30	0.20	0.92	680	HU420V151MCXS3WPEC
		25×25	0.20	0.90	680	HU420V151MCYS2WPEC
	180	22×30*	0.20	1.01	570	HU420V181MCXS3WPEC
		22×35	0.20	1.05	570	HU420V181MCXS4WPEC
		25×25*	0.20	0.99	570	HU420V181MCYS2WPEC
	220	22×35*	0.20	1.17	470	HU420V221MCXS4WPEC
		22×40	0.20	1.22	470	HU420V221MCXS5WPEC
		25×30*	0.20	1.16	470	HU420V221MCYS3WPEC
30×25		0.20	1.15	470	HU420V221MCZS2WPEC	
270	22×40*	0.20	1.35	380	HU420V271MCXS5WPEC	
	22×45	0.20	1.40	380	HU420V271MCYS6WPEC	
	25×30*	0.20	1.25	380	HU420V271MCYS3WPEC	
	25×35*	0.20	1.35	380	HU420V271MCYS4WPEC	
330	30×25*	0.20	1.28	380	HU420V271MCZS2WPEC	
	22×45*	0.20	1.54	310	HU420V331MCXS6WPEC	
	25×35*	0.20	1.45	310	HU420V331MCYS4WPEC	
390	30×30*	0.20	1.49	310	HU420V331MCZS3WPEC	
	25×40*	0.20	1.64	270	HU420V391MCYS5WPEC	
	30×30*	0.20	1.62	270	HU420V391MCZS3WPEC	
470	30×35	0.20	1.70	270	HU420V391MCZS4WPEC	
	35×25*	0.20	1.59	270	HU420V391MCAS2WPEC	
	35×30	0.20	1.67	270	HU420V391MCAS3WPEC	
	25×50*	0.20	1.98	220	HU420V471MCYS7WPEC	
560	30×35*	0.20	1.86	220	HU420V471MCZS4WPEC	
	30×40	0.20	1.94	220	HU420V471MCZS5WPEC	
	35×30*	0.20	1.84	220	HU420V471MCAS3WPEC	
680	35×35	0.20	1.92	220	HU420V471MCAS4WPEC	
	25×55*	0.20	2.16	190	HU420V561MCYS8WPEC	
	30×40*	0.20	2.11	190	HU420V561MCZS5WPEC	
820	35×35*	0.20	2.09	190	HU420V561MCAS4WPEC	
	35×40	0.20	2.18	190	HU420V561MCAS5WPEC	
	30×50*	0.20	2.48	150	HU420V681MCZS7WPEC	
1,000	35×40*	0.20	2.48	150	HU420V681MCAS6WPEC	
	35×45	0.20	2.48	150	HU420V681MCAS6WPEC	
	30×55*	0.20	2.81	130	HU420V821MCZS8WPEC	
1,200	35×45*	0.20	2.72	130	HU420V821MCAS6WPEC	
	35×50	0.20	2.80	130	HU420V821MCAS7WPEC	
	35×55*	0.20	3.18	110	HU420V102MCAS8WPEC	
1,500	35×60	0.20	3.25	110	HU420V102MCAS9WPEC	
	40×56	0.20	3.30	110	HU420V102MSBS8WPEC	
1,200	35×100	0.20	3.51	90	HU420V122MSAS17WPEC	
	40×76	0.20	3.57	90	HU420V122MSBS12WPEC	
1,500	40×101	0.20	4.07	70	HU420V152MSBS17WPEC	

Rated Voltage (V. DC)	Capacitance (μF)	Case size φD×L (mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Product name
450	120	22×25*	0.20	0.77	850	HU2W121MCXS2WPEC
		22×30*	0.20	0.92	680	HU2W151MCXS3WPEC
	150	25×25	0.20	0.90	680	HU2W151MCYS2WPEC
		22×30*	0.20	1.01	570	HU2W181MCXS3WPEC
		22×35	0.20	1.05	570	HU2W181MCXS4WPEC
	180	25×25*	0.20	0.99	570	HU2W181MCYS2WPEC
		25×30	0.20	1.05	570	HU2W181MCYS3WPEC
		25×30*	0.20	1.17	470	HU2W221MCXS4WPEC
	220	25×30*	0.20	1.16	470	HU2W221MCYS3WPEC
		25×35	0.20	1.21	470	HU2W221MCYS4WPEC
30×25		0.20	1.15	470	HU2W221MCZS2WPEC	
22×40*		0.20	1.31	380	HU2W271MCXS5WPEC	
270	25×35*	0.20	1.35	380	HU2W271MCYS4WPEC	
	25×40	0.20	1.40	380	HU2W271MCYS5WPEC	
	30×25*	0.20	1.28	380	HU2W271MCZS2WPEC	
	30×30	0.20	1.35	380	HU2W271MCZS3WPEC	
330	35×25	0.20	1.32	380	HU2W271MCAS2WPEC	
	22×50*	0.20	1.59	310	HU2W331MCXS7WPEC	
	25×40*	0.20	1.55	310	HU2W331MCYS5WPEC	
	25×45	0.20	1.61	310	HU2W331MCYS6WPEC	
390	30×30*	0.20	1.49	310	HU2W331MCZS3WPEC	
	35×25*	0.20	1.46	310	HU2W331MCAS2WPEC	
	25×45*	0.20	1.74	270	HU2W391MCYS6WPEC	
	25×50*	0.20	1.80	270	HU2W391MCYS7WPEC	
470	30×35*	0.20	1.70	270	HU2W391MCZS4WPEC	
	35×30	0.20	1.67	270	HU2W391MCAS3WPEC	
	25×50*	0.20	1.92	220	HU2W471MCYS7WPEC	
	30×40*	0.20	1.94	220	HU2W471MCZS5WPEC	
560	35×30*	0.20	1.84	220	HU2W471MCAS3WPEC	
	35×35	0.20	1.92	220	HU2W471MCAS4WPEC	
	25×60*	0.20	2.27	190	HU2W561MCYS9WPEC	
	30×45*	0.20	2.19	190	HU2W561MCZS6WPEC	
680	30×50	0.20	2.25	190	HU2W561MCZS7WPEC	
	35×35*	0.20	2.09	190	HU2W561MCAS4WPEC	
	35×40	0.20	2.18	190	HU2W561MCAS5WPEC	
820	30×50*	0.20	2.48	150	HU2W681MCZS7WPEC	
	35×40*	0.20	2.40	150	HU2W681MCAS5WPEC	
	35×45	0.20	2.48	150	HU2W681MCAS6WPEC	
1,000	30×60*	0.20	2.87	130	HU2W821MCZS9WPEC	
	35×45*	0.20	2.64	130	HU2W821MCAS6WPEC	
	35×50*	0.20	2.80	130	HU2W821MCAS7WPEC	
1,200	35×55*	0.20	3.18	110	HU2W102MCAS8WPEC	
1,500	35×100	0.20	3.51	90	HU2W122MSAS17WPEC	
	40×76	0.20	3.57	90	HU2W122MSBS12WPEC	
1,500	40×101	0.20	4.07	70	HU2W152MSBS17WPEC	

Life time graph

Useful life depending on ambient temperature T_a and ripple current operating conditions I versus rated ripple current at 105°C, 120Hz



SNAP MOUNT TYPE ALUMINUM ELECTROLYTIC CAPACITORS

HU Series

Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size φ D × L (mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Product name
475	82	22 × 25	0.20	0.64	1,170	HU475V820MCXS2WPEC
		22 × 25*	0.20	0.69	960	HU475V101MCXS2WPEC
	100	22 × 30	0.20	0.75	960	HU475V101MCXS3WPEC
		25 × 25	0.20	0.74	960	HU475V101MCYS2WPEC
		22 × 30*	0.20	0.82	800	HU475V121MCXS3WPEC
	120	22 × 35	0.20	0.86	800	HU475V121MCXS4WPEC
		25 × 25	0.20	0.81	800	HU475V121MCYS2WPEC
		22 × 35*	0.20	0.96	640	HU475V151MCXS4WPEC
	150	25 × 30	0.20	0.96	640	HU475V151MCYS3WPEC
		30 × 25	0.20	0.95	640	HU475V151MCZS2WPEC
		22 × 40*	0.20	1.07	540	HU475V181MCXS5WPEC
	180	22 × 45	0.20	1.14	540	HU475V181MCXS6WPEC
		25 × 30*	0.20	1.02	540	HU475V181MCXS3WPEC
		25 × 35	0.20	1.10	540	HU475V181MCYS4WPEC
		30 × 25	0.20	1.04	540	HU475V181MCZS2WPEC
		30 × 30	0.20	1.10	540	HU475V181MCZS3WPEC
		35 × 25	0.20	1.01	540	HU475V181MCAS2WPEC
	220	22 × 45*	0.20	1.22	440	HU475V221MCXS6WPEC
		22 × 50	0.20	1.30	440	HU475V221MCXS7WPEC
		25 × 35*	0.20	1.18	440	HU475V221MCYS4WPEC
		25 × 40	0.20	1.27	440	HU475V221MCYS5WPEC
		30 × 30	0.20	1.22	440	HU475V221MCZS3WPEC
		35 × 25	0.20	1.12	440	HU475V221MCAS2WPEC
	270	25 × 40*	0.20	1.36	360	HU475V271MCYS5WPEC
		25 × 45	0.20	1.45	360	HU475V271MCYS6WPEC
		30 × 30*	0.20	1.31	360	HU475V271MCZS3WPEC
		30 × 35	0.20	1.41	360	HU475V271MCZS4WPEC
		35 × 25*	0.20	1.28	360	HU475V271MCAS2WPEC
		35 × 30	0.20	1.31	360	HU475V271MCAS3WPEC
	330	25 × 50*	0.20	1.61	290	HU475V331MCYS7WPEC
		25 × 55	0.20	1.71	290	HU475V331MCYS8WPEC
		30 × 35*	0.20	1.51	290	HU475V331MCZS4WPEC
		30 × 40	0.20	1.62	290	HU475V331MCZS5WPEC
		35 × 30*	0.20	1.49	290	HU475V331MCAS3WPEC
		35 × 35	0.20	1.51	290	HU475V331MCAS4WPEC
	390	25 × 55*	0.20	1.80	250	HU475V391MCYS8WPEC
		30 × 40*	0.20	1.71	250	HU475V391MCZS5WPEC
		30 × 45	0.20	1.82	250	HU475V391MCZS6WPEC
		35 × 35	0.20	1.64	250	HU475V391MCAS4WPEC
	470	30 × 45*	0.20	1.94	210	HU475V471MCZS6WPEC
		30 × 50	0.20	2.06	210	HU475V471MCZS7WPEC
		35 × 35*	0.20	1.86	210	HU475V471MCAS4WPEC
		35 × 40	0.20	1.87	210	HU475V471MCAS5WPEC
	560	30 × 55*	0.20	2.25	180	HU475V561MCZS8WPEC
		30 × 60	0.20	2.37	180	HU475V561MCZS9WPEC
		35 × 40*	0.20	2.11	180	HU475V561MCAS5WPEC
	680	35 × 50*	0.20	2.48	150	HU475V681MCAS7WPEC
		35 × 55	0.20	2.45	150	HU475V681MCAS8WPEC
	820	35 × 55*	0.20	2.80	120	HU475V821MCAS8WPEC

Rated Voltage (V. DC)	Capacitance (μF)	Case size φ D × L (mm)	tanδ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR(typ.) (mΩ) 20°C, 100Hz	Product name
500	82	22 × 25*	0.20	0.52	1,170	HU2H820MCXS2WPEC
		22 × 30	0.20	0.53	1,170	HU2H820MCXS3WPEC
		25 × 25	0.20	0.54	1,170	HU2H820MCYS2WPEC
	100	22 × 30*	0.20	0.62	960	HU2H101MCXS3WPEC
		22 × 35	0.20	0.62	960	HU2H101MCXS4WPEC
		25 × 25*	0.20	0.63	960	HU2H101MCYS2WPEC
		25 × 30	0.20	0.64	960	HU2H101MCYS3WPEC
	120	22 × 35*	0.20	0.72	800	HU2H121MCXS4WPEC
		22 × 40	0.20	0.72	800	HU2H121MCXS5WPEC
		25 × 30*	0.20	0.71	800	HU2H121MCYS3WPEC
		25 × 35	0.20	0.74	800	HU2H121MCYS4WPEC
		30 × 25	0.20	0.75	800	HU2H121MCZS2WPEC
	150	22 × 40*	0.20	0.82	640	HU2H151MCYS5WPEC
		25 × 30*	0.20	0.84	640	HU2H151MCYS3WPEC
		30 × 25*	0.20	0.85	640	HU2H151MCZS2WPEC
		30 × 30	0.20	0.90	640	HU2H151MCZS3WPEC
		35 × 25	0.20	0.94	640	HU2H151MCAS2WPEC
	180	22 × 45*	0.20	0.98	540	HU2H181MCXS6WPEC
		25 × 35*	0.20	0.98	540	HU2H181MCYS4WPEC
		30 × 30*	0.20	0.99	540	HU2H181MCZS3WPEC
		30 × 35	0.20	1.04	540	HU2H181MCZS4WPEC
		35 × 25*	0.20	1.04	540	HU2H181MCAS2WPEC
	220	25 × 45*	0.20	1.17	440	HU2H221MCYS6WPEC
		25 × 50	0.20	1.17	440	HU2H221MCYS7WPEC
		30 × 30*	0.20	1.09	440	HU2H221MCZS3WPEC
		35 × 25*	0.20	1.07	440	HU2H221MCAS2WPEC
		35 × 30	0.20	1.22	440	HU2H221MCAS3WPEC
	270	25 × 50*	0.20	1.34	360	HU2H271MCYS7WPEC
		30 × 35*	0.20	1.26	360	HU2H271MCZS4WPEC
		35 × 30*	0.20	1.37	360	HU2H271MCZS7WPEC
		35 × 35	0.20	1.44	360	HU2H271MCAS4WPEC
	330	30 × 45*	0.20	1.58	290	HU2H331MCZS6WPEC
		30 × 50	0.20	1.63	290	HU2H331MCZS7WPEC
		35 × 35*	0.20	1.61	290	HU2H331MCAS4WPEC
		35 × 40	0.20	1.67	290	HU2H331MCAS5WPEC
	390	30 × 50*	0.20	1.79	250	HU2H391MCZS7WPEC
		35 × 40*	0.20	1.84	250	HU2H391MCAS5WPEC
		35 × 45	0.20	1.90	250	HU2H391MCAS6WPEC
	470	30 × 60*	0.20	2.10	210	HU2H471MCZS9WPEC
		35 × 45*	0.20	2.12	210	HU2H471MCAS6WPEC
	560	35 × 50*	0.20	2.18	210	HU2H471MCAS7WPEC
		35 × 60	0.20	2.07	180	HU2H561MCAS7WPEC
680	35 × 60	0.20	2.53	180	HU2H561MCAS9WPEC	
	35 × 60*	0.20	2.40	150	HU2H681MCAS9WPEC	
550	82	30 × 25	0.25	0.59	2,920	HU2L820MCZS2WPEC
		30 × 30	0.25	0.77	1,990	HU2L121MCZS3WPEC
	120	35 × 25	0.25	0.80	1,990	HU2L121MCAS2WPEC
		30 × 35	0.25	0.91	1,600	HU2L151MCZS4WPEC
	150	35 × 30	0.25	0.96	1,600	HU2L151MCAS3WPEC
		30 × 40	0.25	1.05	1,330	HU2L181MCZS5WPEC
	180	35 × 35	0.25	1.11	1,330	HU2L181MCAS4WPEC
		30 × 50	0.25	1.26	1,090	HU2L221MCZS7WPEC
	220	35 × 40	0.25	1.29	1,090	HU2L221MCAS5WPEC
		35 × 45	0.25	1.50	890	HU2L271MCAS6WPEC
330	35 × 50	0.25	1.73	730	HU2L331MCAS7WPEC	
390	35 × 60	0.25	2.00	620	HU2L391MCAS9WPEC	

ALUMINUM ELECTROLYTIC CAPACITORS