

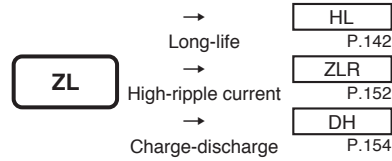
**UPGRADE!**

## ZL Series Useful of 5,000 hours at 105°C

- Conform RoHS

### Features

- The ZL series is the miniaturization products of 5,000 hours.

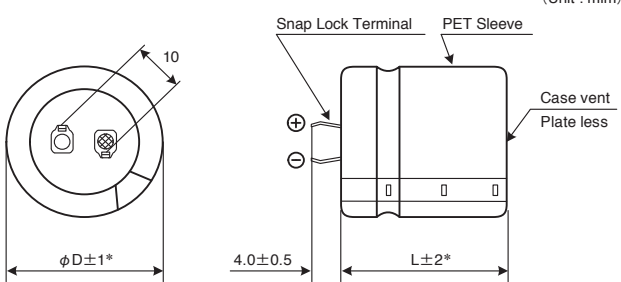


### Product Specifications

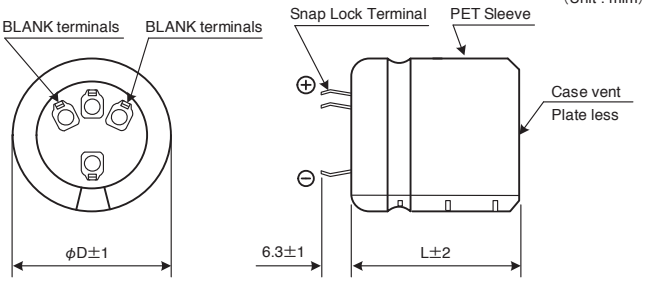
Items	Specifications
Temperature range	-40°C ~ +105°C (200V.DC ~ 250V.DC) -25°C ~ +105°C (315V.DC ~ 550V.DC)
Rated voltage	200 ~ 550V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
Leakage current	0.02CV (µA) or 3mA, whichever is smaller or less (20°C, after 5 minutes) [C = nominal capacitance (µF), V = 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 3000 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)



4-claw terminal (Terminal code : S)



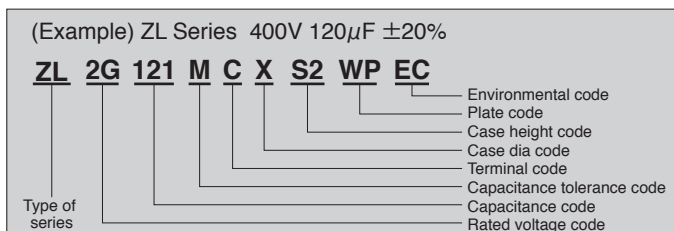
\* Products marked with "\*" in the standard products table : φD±1.5, L±2.5  
(For details of product specifications please request specification sheet.)

### 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



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	1.09	330	ZL2D331MCXS2WPEC
		22×30	0.15	1.37	240	ZL2D471MCXS3WPEC
	470	25×25	0.15	1.36	240	ZL2D471MCYS2WPEC
		22×35	0.15	1.57	200	ZL2D561MCXS4WPEC
	560	25×30	0.15	1.57	200	ZL2D561MCYS3WPEC
		22×40	0.15	1.81	160	ZL2D681MCXS5WPEC
	680	30×25	0.15	1.75	160	ZL2D681MCZS2WPEC
		22×45	0.15	2.06	140	ZL2D821MCXS6WPEC
	820	25×35	0.15	1.99	140	ZL2D821MCYS4WPEC
		25×45	0.15	2.37	110	ZL2D102MCYS6WPEC
	1,000	30×30	0.15	2.24	110	ZL2D102MCZS3WPEC
		35×25	0.15	1.94	110	ZL2D102MCAS2WPEC
		25×50	0.15	2.67	100	ZL2D122MCYS7WPEC
	1,200	30×35	0.15	2.56	100	ZL2D122MCZS4WPEC
		35×30	0.15	2.23	100	ZL2D122MCAS3WPEC
		30×45	0.15	3.08	80	ZL2D152MCZS6WPEC
	1,500	35×35	0.15	2.61	80	ZL2D152MCAS4WPEC
		30×50	0.15	3.49	70	ZL2D182MCZS7WPEC
35×40		0.15	2.97	70	ZL2D182MCAS5WPEC	
2,200	35×45	0.15	3.39	50	ZL2D222MCAS6WPEC	
2,700	35×50	0.15	3.86	50	ZL2D272MCAS7WPEC	
250	270	22×25	0.15	0.98	360	ZL2E271MCXS2WPEC
		22×30	0.15	1.15	290	ZL2E331MCXS3WPEC
	330	25×25	0.15	1.14	290	ZL2E331MCYS2WPEC
		22×35	0.15	1.31	250	ZL2E391MCXS4WPEC
	470	22×40	0.15	1.50	210	ZL2E471MCXS5WPEC
		25×30	0.15	1.43	210	ZL2E471MCYS3WPEC
		30×25	0.15	1.45	210	ZL2E471MCZS2WPEC
	560	22×45	0.15	1.70	180	ZL2E561MCXS6WPEC
		25×35	0.15	1.64	180	ZL2E561MCZS4WPEC
	680	22×50	0.15	1.95	150	ZL2E681MCXS7WPEC
		25×40	0.15	1.88	150	ZL2E681MCYS5WPEC
		30×30	0.15	1.85	150	ZL2E681MCZS3WPEC
		35×25	0.15	1.60	150	ZL2E681MCAS2WPEC
	820	25×45	0.15	2.14	120	ZL2E821MCYS6WPEC
		30×35	0.15	2.12	120	ZL2E821MCZS4WPEC
		35×30	0.15	1.84	120	ZL2E821MCAS3WPEC
	1,000	30×40	0.15	2.44	100	ZL2E102MCZS5WPEC
	1,200	30×45	0.15	2.76	80	ZL2E122MCZS6WPEC
35×35		0.15	2.33	80	ZL2E122MCAS4WPEC	
1,500	35×45	0.15	2.80	70	ZL2E152MCAS6WPEC	
1,800	35×50	0.15	3.16	60	ZL2E182MCAS7WPEC	
315	180	22×25	0.20	0.95	710	ZL2F181MCXS2WPEC
		22×30	0.20	1.10	580	ZL2F221MCXS3WPEC
	220	25×25	0.20	1.10	580	ZL2F221MCYS2WPEC
		22×35	0.20	1.24	480	ZL2F271MCXS4WPEC
	270	25×30	0.20	1.25	480	ZL2F271MCYS3WPEC
		22×40	0.20	1.40	390	ZL2F331MCXS5WPEC
	330	30×25	0.20	1.43	390	ZL2F331MCZS2WPEC
		22×45	0.20	1.56	330	ZL2F391MCXS6WPEC
	390	25×35	0.20	1.57	330	ZL2F391MCYS4WPEC
		25×40	0.20	1.76	280	ZL2F471MCYS5WPEC
	470	30×30	0.20	1.73	280	ZL2F471MCZS3WPEC
		35×25	0.20	1.48	280	ZL2F471MCAS2WPEC
		25×50	0.20	1.99	230	ZL2F561MCYS7WPEC
	560	30×35	0.20	1.93	230	ZL2F561MCZS4WPEC
		35×30	0.20	1.70	230	ZL2F561MCAS3WPEC
	680	30×40	0.20	2.19	190	ZL2F681MCZS5WPEC
		35×35	0.20	1.96	190	ZL2F681MCAS4WPEC
	820	30×45	0.20	2.47	160	ZL2F821MCZS6WPEC
35×40		0.20	2.23	160	ZL2F821MCAS5WPEC	
1,000	35×45	0.20	2.55	130	ZL2F102MCAS6WPEC	
1,200	35×50	0.20	2.87	110	ZL2F122MCAS7WPEC	

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	ZL2G121MCXS2WPEC
		22×25*	0.20	0.87	640	ZL2G151MCXS2WPEC
	150	22×30*	0.20	1.01	540	ZL2G181MCXS3WPEC
		25×25	0.20	0.99	540	ZL2G181MCYS2WPEC
	180	22×30*	0.20	1.11	440	ZL2G221MCXS3WPEC
		22×35	0.20	1.17	440	ZL2G221MCXS4WPEC
		25×25*	0.20	1.10	440	ZL2G221MCYS2WPEC
	220	25×30	0.20	1.16	440	ZL2G221MCYS3WPEC
		22×35*	0.20	1.29	360	ZL2G271MCXS4WPEC
		25×30*	0.20	1.28	360	ZL2G271MCYS3WPEC
	270	25×35	0.20	1.35	360	ZL2G271MCYS4WPEC
		30×25	0.20	1.28	360	ZL2G271MCZS2WPEC
		22×45*	0.20	1.54	290	ZL2G331MCXS6WPEC
		22×50	0.20	1.59	290	ZL2G331MCXS7WPEC
	330	25×35*	0.20	1.49	290	ZL2G331MCYS4WPEC
		25×40	0.20	1.55	290	ZL2G331MCYS5WPEC
		30×25*	0.20	1.41	290	ZL2G331MCZS2WPEC
		30×30	0.20	1.49	290	ZL2G331MCZS3WPEC
		35×25	0.20	1.46	290	ZL2G331MCAS2WPEC
	390	22×50*	0.20	1.73	250	ZL2G391MCXS7WPEC
		25×40*	0.20	1.68	250	ZL2G391MCYS5WPEC
		25×45	0.20	1.74	250	ZL2G391MCYS6WPEC
		30×30*	0.20	1.62	250	ZL2G391MCZS3WPEC
		30×35	0.20	1.70	250	ZL2G391MCZS4WPEC
	470	35×25*	0.20	1.59	250	ZL2G391MCAS2WPEC
		25×45*	0.20	1.92	210	ZL2G471MCYS6WPEC
		25×50*	0.20	1.98	210	ZL2G471MCYS7WPEC
		30×35*	0.20	1.86	210	ZL2G471MCZS4WPEC
	560	30×40	0.20	1.94	210	ZL2G471MCZS5WPEC
		35×30	0.20	1.84	210	ZL2G471MCAS2WPEC
		25×50*	0.20	2.16	180	ZL2G561MCYS7WPEC
		30×40*	0.20	2.11	180	ZL2G561MCZS5WPEC
	680	30×45	0.20	2.19	180	ZL2G561MCZS6WPEC
		35×30*	0.20	2.01	180	ZL2G561MCAS3WPEC
		35×35	0.20	2.09	180	ZL2G561MCAS4WPEC
		25×60*	0.20	2.51	150	ZL2G681MCYS9WPEC
30×45*		0.20	2.41	150	ZL2G681MCZS6WPEC	
820	30×50	0.20	2.48	150	ZL2G681MCZS7WPEC	
	35×35*	0.20	2.31	150	ZL2G681MCAS4WPEC	
	35×40	0.20	2.40	150	ZL2G681MCAS5WPEC	
	30×50*	0.20	2.65	120	ZL2G821MCZS7WPEC	
	35×40*	0.20	2.63	120	ZL2G821MCAS5WPEC	
1,000	35×45	0.20	2.72	120	ZL2G821MCAS6WPEC	
	30×60*	0.20	3.17	100	ZL2G102MCZS9WPEC	
	35×50*	0.20	3.09	100	ZL2G102MCAS7WPEC	
1,200	35×55*	0.20	3.56	80	ZL2G122MCAS8WPEC	
1,500	35×100	0.20	3.93	70	ZL2G152MSAS17WPEC	
	40×76	0.20	3.99	70	ZL2G152MSBS12WPEC	
1,800	40×101	0.20	4.47	60	ZL2G182MSBS17WPEC	

ALUMINUM ELECTROLYTIC CAPACITORS

# SNAP MOUNT TYPE ALUMINUM ELECTROLYTIC CAPACITORS

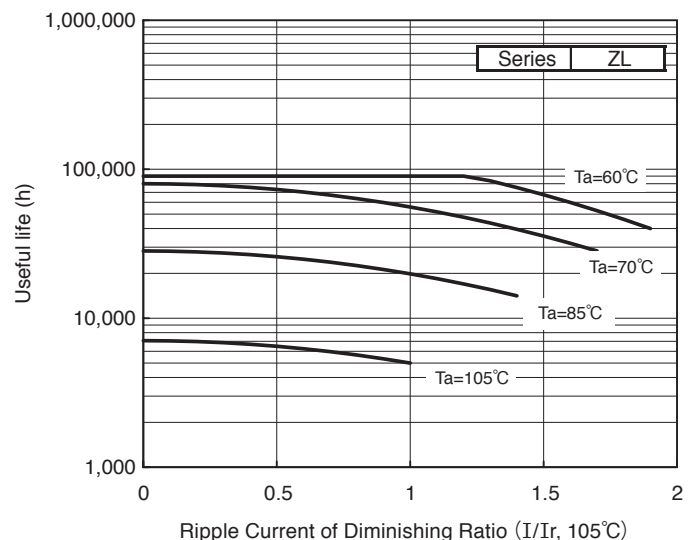
Standard Products Table

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	ZL420V121MCXS2WPEC
		22×25*	0.20	0.87	680	ZL420V151MCXS2WPEC
	150	22×30	0.20	0.92	680	ZL420V151MCXS3WPEC
		25×25	0.20	0.90	680	ZL420V151MCYS2WPEC
	180	22×30*	0.20	1.01	570	ZL420V181MCXS3WPEC
		22×35	0.20	1.05	570	ZL420V181MCXS4WPEC
		25×25*	0.20	0.99	570	ZL420V181MCYS2WPEC
	220	22×35*	0.20	1.17	470	ZL420V221MCXS4WPEC
		22×40	0.20	1.22	470	ZL420V221MCXS5WPEC
		25×30*	0.20	1.16	470	ZL420V221MCYS3WPEC
		30×25	0.20	1.15	470	ZL420V221MCZS2WPEC
	270	22×40*	0.20	1.35	380	ZL420V271MCXS5WPEC
		22×45	0.20	1.40	380	ZL420V271MCXS6WPEC
		25×30*	0.20	1.25	380	ZL420V271MCYS3WPEC
		25×35*	0.20	1.35	380	ZL420V271MCYS4WPEC
	330	30×25*	0.20	1.28	380	ZL420V271MCZS2WPEC
		22×45*	0.20	1.54	310	ZL420V331MCXS6WPEC
		25×35*	0.20	1.45	310	ZL420V331MCYS4WPEC
	390	30×30*	0.20	1.49	310	ZL420V331MCZS3WPEC
		25×40*	0.20	1.64	270	ZL420V391MCYS5WPEC
		30×30*	0.20	1.62	270	ZL420V391MCZS3WPEC
		30×35	0.20	1.70	270	ZL420V391MCZS4WPEC
	470	35×25*	0.20	1.59	270	ZL420V391MCAS2WPEC
		35×30	0.20	1.67	270	ZL420V391MCAS3WPEC
		25×50*	0.20	1.98	220	ZL420V471MCYS7WPEC
		30×35*	0.20	1.86	220	ZL420V471MCZS4WPEC
	560	30×40	0.20	1.94	220	ZL420V471MCZS5WPEC
		35×30*	0.20	1.84	220	ZL420V471MCAS3WPEC
		35×35	0.20	1.92	220	ZL420V471MCAS4WPEC
		25×55*	0.20	2.16	190	ZL420V561MCYS8WPEC
	680	30×40*	0.20	2.11	190	ZL420V561MCZS5WPEC
		35×35*	0.20	2.09	190	ZL420V561MCAS4WPEC
		35×40	0.20	2.18	190	ZL420V561MCAS5WPEC
	820	30×50*	0.20	2.48	150	ZL420V681MCZS7WPEC
		35×40*	0.20	2.40	150	ZL420V681MCAS5WPEC
		35×45	0.20	2.48	150	ZL420V681MCAS6WPEC
	1,000	30×55*	0.20	2.81	130	ZL420V821MCZS8WPEC
		35×45*	0.20	2.72	130	ZL420V821MCAS6WPEC
		35×50	0.20	2.80	130	ZL420V821MCAS7WPEC
	1,200	35×55*	0.20	3.18	110	ZL420V102MCAS8WPEC
		35×60	0.20	3.25	110	ZL420V102MCAS9WPEC
	1,500	40×56	0.20	3.30	110	ZL420V102MSBS8WPEC
35×100		0.20	3.51	90	ZL420V122MSAS17WPEC	
	40×76	0.20	3.57	90	ZL420V122MSBS12WPEC	
	40×101	0.20	4.07	70	ZL420V152MSBS17WPEC	

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	ZL2W121MCXS2WPEC
		22×30*	0.20	0.92	680	ZL2W151MCXS3WPEC
	150	25×25	0.20	0.90	680	ZL2W151MCYS2WPEC
		22×30*	0.20	1.01	570	ZL2W181MCXS3WPEC
	180	22×35	0.20	1.05	570	ZL2W181MCXS4WPEC
		25×25*	0.20	0.99	570	ZL2W181MCYS2WPEC
		25×30	0.20	1.05	570	ZL2W181MCYS3WPEC
	220	22×35*	0.20	1.17	470	ZL2W221MCXS4WPEC
		25×30*	0.20	1.16	470	ZL2W221MCYS3WPEC
		25×35	0.20	1.21	470	ZL2W221MCYS4WPEC
		30×25	0.20	1.15	470	ZL2W221MCZS2WPEC
	270	22×40*	0.20	1.31	380	ZL2W271MCXS5WPEC
		25×35*	0.20	1.35	380	ZL2W271MCYS4WPEC
		25×40	0.20	1.40	380	ZL2W271MCYS5WPEC
		30×25*	0.20	1.28	380	ZL2W271MCZS2WPEC
	330	30×30	0.20	1.35	380	ZL2W271MCZS3WPEC
		35×25	0.20	1.32	380	ZL2W271MCAS2WPEC
		22×50*	0.20	1.59	310	ZL2W331MCXS7WPEC
		25×40*	0.20	1.55	310	ZL2W331MCYS5WPEC
	390	25×45	0.20	1.61	310	ZL2W331MCYS6WPEC
		30×30*	0.20	1.49	310	ZL2W331MCZS3WPEC
		35×25*	0.20	1.46	310	ZL2W331MCAS2WPEC
		25×45*	0.20	1.74	270	ZL2W391MCYS6WPEC
	470	25×50*	0.20	1.80	270	ZL2W391MCYS7WPEC
		30×35*	0.20	1.70	270	ZL2W391MCZS4WPEC
		35×30	0.20	1.67	270	ZL2W391MCAS3WPEC
	560	25×50*	0.20	1.92	220	ZL2W471MCYS7WPEC
		30×40*	0.20	1.94	220	ZL2W471MCZS5WPEC
		35×30*	0.20	1.84	220	ZL2W471MCAS3WPEC
		35×35	0.20	1.92	220	ZL2W471MCAS4WPEC
	680	25×60*	0.20	2.27	190	ZL2W561MCYS9WPEC
		30×45*	0.20	2.19	190	ZL2W561MCZS6WPEC
		30×50	0.20	2.25	190	ZL2W561MCZS7WPEC
	820	35×35*	0.20	2.09	190	ZL2W561MCAS4WPEC
		35×40	0.20	2.18	190	ZL2W561MCAS5WPEC
		30×50*	0.20	2.48	150	ZL2W681MCZS7WPEC
	1,000	35×40*	0.20	2.40	150	ZL2W681MCAS5WPEC
		35×45	0.20	2.48	150	ZL2W681MCAS6WPEC
		30×60*	0.20	2.87	130	ZL2W821MCZS9WPEC
	1,200	35×45*	0.20	2.64	130	ZL2W821MCAS6WPEC
		35×50*	0.20	2.80	130	ZL2W821MCAS7WPEC
	1,500	35×55*	0.20	3.18	110	ZL2W102MCAS8WPEC
	35×100	0.20	3.51	90	ZL2W122MSAS17WPEC	
	40×76	0.20	3.57	90	ZL2W122MSBS12WPEC	
	40×101	0.20	4.07	70	ZL2W152MSBS17WPEC	

Life time graph

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



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
475	82	22×25	0.20	0.64	1,170	ZL475V820MCXS2WPEC
		22×25*	0.20	0.69	960	ZL475V101MCXS2WPEC
	100	22×30	0.20	0.75	960	ZL475V101MCXS3WPEC
		25×25	0.20	0.74	960	ZL475V101MCYS2WPEC
		22×30*	0.20	0.82	800	ZL475V121MCXS3WPEC
	120	22×35	0.20	0.86	800	ZL475V121MCXS4WPEC
		25×25	0.20	0.81	800	ZL475V121MCYS2WPEC
		22×35*	0.20	0.96	640	ZL475V151MCXS4WPEC
	150	25×30	0.20	0.96	640	ZL475V151MCYS3WPEC
		30×25	0.20	0.95	640	ZL475V151MCZS2WPEC
		22×40*	0.20	1.07	540	ZL475V181MCXS5WPEC
	180	22×45	0.20	1.14	540	ZL475V181MCXS6WPEC
		25×30*	0.20	1.02	540	ZL475V181MCYS3WPEC
		25×35	0.20	1.10	540	ZL475V181MCYS4WPEC
		30×25	0.20	1.04	540	ZL475V181MCZS2WPEC
		30×30	0.20	1.10	540	ZL475V181MCZS3WPEC
		35×25	0.20	1.01	540	ZL475V181MCAS2WPEC
	220	22×45*	0.20	1.22	440	ZL475V221MCXS6WPEC
		22×50	0.20	1.30	440	ZL475V221MCXS7WPEC
		25×35*	0.20	1.18	440	ZL475V221MCYS4WPEC
		25×40	0.20	1.27	440	ZL475V221MCYS5WPEC
		30×30	0.20	1.22	440	ZL475V221MCZS3WPEC
		35×25	0.20	1.12	440	ZL475V221MCAS2WPEC
	270	25×40*	0.20	1.36	360	ZL475V271MCYS5WPEC
		25×45	0.20	1.45	360	ZL475V271MCYS6WPEC
		30×30*	0.20	1.31	360	ZL475V271MCZS3WPEC
		30×35	0.20	1.41	360	ZL475V271MCZS4WPEC
		35×25*	0.20	1.28	360	ZL475V271MCAS2WPEC
		35×30	0.20	1.31	360	ZL475V271MCAS3WPEC
	330	25×50*	0.20	1.61	290	ZL475V331MCYS7WPEC
		25×55	0.20	1.71	290	ZL475V331MCYS8WPEC
		30×35*	0.20	1.51	290	ZL475V331MCZS4WPEC
		30×40	0.20	1.62	290	ZL475V331MCZS5WPEC
		35×30*	0.20	1.49	290	ZL475V331MCAS3WPEC
	390	35×35	0.20	1.51	290	ZL475V331MCAS4WPEC
		25×55*	0.20	1.80	250	ZL475V391MCYS8WPEC
		30×40*	0.20	1.71	250	ZL475V391MCZS5WPEC
		30×45	0.20	1.82	250	ZL475V391MCZS6WPEC
	470	35×35	0.20	1.64	250	ZL475V391MCAS4WPEC
		30×45*	0.20	1.94	210	ZL475V471MCZS6WPEC
		30×50	0.20	2.06	210	ZL475V471MCZS7WPEC
		35×35*	0.20	1.86	210	ZL475V471MCAS4WPEC
	560	35×40	0.20	1.87	210	ZL475V471MCAS5WPEC
		30×55*	0.20	2.25	180	ZL475V561MCZS8WPEC
		30×60	0.20	2.37	180	ZL475V561MCZS9WPEC
35×40*		0.20	2.11	180	ZL475V561MCAS5WPEC	
680	35×50*	0.20	2.48	150	ZL475V681MCAS7WPEC	
	35×55	0.20	2.45	150	ZL475V681MCAS8WPEC	
820	35×55*	0.20	2.80	120	ZL475V821MCAS8WPEC	

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
500	82	22×25*	0.20	0.52	1,170	ZL2H820MCXS2WPEC
		22×30	0.20	0.53	1,170	ZL2H820MCXS3WPEC
		25×25	0.20	0.54	1,170	ZL2H820MCYS2WPEC
	100	22×30*	0.20	0.62	960	ZL2H101MCXS3WPEC
		22×35	0.20	0.62	960	ZL2H101MCXS4WPEC
		25×25*	0.20	0.63	960	ZL2H101MCYS2WPEC
	120	25×30	0.20	0.64	960	ZL2H101MCYS3WPEC
		22×35*	0.20	0.72	800	ZL2H121MCXS4WPEC
		22×40	0.20	0.72	800	ZL2H121MCXS5WPEC
	150	25×30*	0.20	0.71	800	ZL2H121MCYS3WPEC
		25×35	0.20	0.74	800	ZL2H121MCYS4WPEC
		30×25	0.20	0.75	800	ZL2H121MCZS2WPEC
	180	22×40*	0.20	0.82	640	ZL2H151MCXS5WPEC
		25×30*	0.20	0.84	640	ZL2H151MCYS3WPEC
		30×25*	0.20	0.85	640	ZL2H151MCZS2WPEC
		30×30	0.20	0.90	640	ZL2H151MCZS3WPEC
		35×25	0.20	0.94	640	ZL2H151MCAS2WPEC
		22×45*	0.20	0.98	540	ZL2H181MCXS6WPEC
	220	25×35*	0.20	0.98	540	ZL2H181MCYS4WPEC
		30×30*	0.20	0.99	540	ZL2H181MCZS3WPEC
		30×35	0.20	1.04	540	ZL2H181MCZS4WPEC
		35×25*	0.20	1.04	540	ZL2H181MCAS2WPEC
		25×45*	0.20	1.17	440	ZL2H221MCYS6WPEC
	270	25×50	0.20	1.17	440	ZL2H221MCYS7WPEC
		30×30*	0.20	1.09	440	ZL2H221MCZS3WPEC
		35×25*	0.20	1.07	440	ZL2H221MCAS2WPEC
		35×30	0.20	1.22	440	ZL2H221MCAS3WPEC
		25×50*	0.20	1.34	360	ZL2H271MCYS7WPEC
	330	30×35*	0.20	1.26	360	ZL2H271MCZS4WPEC
		35×30*	0.20	1.37	360	ZL2H271MCZS7WPEC
		35×35	0.20	1.44	360	ZL2H271MCAS4WPEC
		30×45*	0.20	1.58	290	ZL2H331MCZS6WPEC
	390	30×50	0.20	1.63	290	ZL2H331MCZS7WPEC
		35×35*	0.20	1.61	290	ZL2H331MCAS4WPEC
		35×40	0.20	1.67	290	ZL2H331MCAS5WPEC
		30×50*	0.20	1.79	250	ZL2H391MCZS7WPEC
	470	35×40*	0.20	1.84	250	ZL2H391MCAS5WPEC
		35×45	0.20	1.90	250	ZL2H391MCAS6WPEC
		30×60*	0.20	2.10	210	ZL2H471MCZS9WPEC
	560	35×45*	0.20	2.12	210	ZL2H471MCAS6WPEC
		35×50	0.20	2.18	210	ZL2H471MCAS7WPEC
	680	35×50*	0.20	2.07	180	ZL2H561MCAS7WPEC
		35×60	0.20	2.53	180	ZL2H561MCAS9WPEC
	820	35×60*	0.20	2.40	150	ZL2H681MCAS9WPEC
	550	82	30×25	0.25	0.59	2,920
30×30			0.25	0.77	1,990	ZL2L121MCZS3WPEC
120		35×25	0.25	0.80	1,990	ZL2L121MCAS2WPEC
		30×35	0.25	0.91	1,600	ZL2L151MCZS4WPEC
150		35×30	0.25	0.96	1,600	ZL2L151MCAS3WPEC
		30×40	0.25	1.05	1,330	ZL2L181MCZS5WPEC
180		35×35	0.25	1.11	1,330	ZL2L181MCAS4WPEC
		30×50	0.25	1.26	1,090	ZL2L221MCZS7WPEC
220		35×40	0.25	1.29	1,090	ZL2L221MCAS5WPEC
		35×45	0.25	1.50	890	ZL2L271MCAS6WPEC
330	35×50	0.25	1.73	730	ZL2L331MCAS7WPEC	
390	35×60	0.25	2.00	620	ZL2L391MCAS9WPEC	

ALUMINUM ELECTROLYTIC CAPACITORS