

# SNAP MOUNT TYPE ALUMINUM ELECTROLYTIC CAPACITORS

## HU3 Series

Useful of 4,000 hours at 105°C (Warranty of 2,000 hours at 105°C)

• Conform RoHS

### Features

• The size is reduced by 20 to 30% of conventional HUR and HVR through development of etched foil technology.



### Product Specifications

Items	Specifications
Temperature range	-40°C ~ +105°C
Rated voltage	16 ~ 500V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
Leakage current	0.02CV ( $\mu$ A) or 3mA, whichever is smaller or less [C = nominal capacitance ( $\mu$ F), 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)
High temp. Load life test	After 105°C, 2000h, rated voltage with specified ripple current application Capacitance variation : Initial value $\pm$ 15% Dissipation factor : 175% of less of specified initial value Leakage current : Not greater than the specified initial value
Others	JIS C 5101-4.

### Ripple current correction coefficient

Temperature (°C)	60	70	85	105		
Correction coefficient	2.2	2.0	1.8	1.0		
Frequency (Hz)	50/60	120	300	1K	$\geq$ 10K	
Correction coefficient	16~100V	0.7	1.0	1.1	1.2	1.2
	160~450V	0.7	1.0	1.1	1.3	1.4

A continuous load should be avoided over 10 A at the terminal in accordance with the permissible current.

Product code : (Example) HU3 Series 16V 10,000 $\mu$ F  $\pm$ 20%

**HU3 1C 103 M C X WP EC**

HU3: Type of series  
 1C: Rated voltage code  
 103: Capacitance code  
 M: Capacitance tolerance code  
 C: Case dia code  
 X: Without plate (standard)  
 WP: PVC-Free (standard)  
 EC: Lead-Free and

Case dia code

Case dia	Code
22	X
25	Y
30	Z
35	A

Refer to page (85) for other terminal shape available on request

### Standard Products Table

Rated Voltage Code (Surge Voltage) (V.DC)	Capacitance ( $\mu$ F)	Case size $\phi$ DXL(mm)	$\tan\delta$ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR (typ.) 20°C, 100Hz (m $\Omega$ )	Product name
16 1C (20)	4700	22×25	0.50	0.93	67	HU31C472MCXWPEC
		22×35	0.50	1.27	46	HU31C682MCXWPEC
	6800	25×30	0.50	1.26	46	HU31C682MCYWPEC
		22×45	0.50	1.43	38	HU31C103MCXWPEC
		25×35	0.50	1.36	38	HU31C103MCYWPEC
	10000	30×25	0.50	1.30	38	HU31C103MCZWPEC
		25×45	0.50	1.84	25	HU31C153MCYWPEC
		30×35	0.50	1.77	25	HU31C153MCZWPEC
	15000	35×30	0.50	1.78	25	HU31C153MCAWPEC
		30×45	0.50	2.36	20	HU31C223MCZWPEC
		35×35	0.50	2.27	20	HU31C223MCAWPEC
	33000	35×50	0.50	2.95	15	HU31C333MCAWPEC
25 1E (32)	3300	22×25	0.40	0.87	116	HU31E332MCXWPEC
		22×30	0.40	1.00	81	HU31E472MCXWPEC
	4700	25×25	0.40	0.98	81	HU31E472MCYWPEC
		22×35	0.40	1.27	65	HU31E682MCXWPEC
	6800	25×30	0.40	1.27	65	HU31E682MCYWPEC
		30×25	0.40	1.27	65	HU31E682MCZWPEC
		22×45	0.40	1.43	45	HU31E103MCXWPEC
	10000	25×35	0.40	1.38	45	HU31E103MCYWPEC
		30×30	0.40	1.38	45	HU31E103MCZWPEC
		35×25	0.40	1.38	45	HU31E103MCAWPEC
		25×45	0.40	1.84	30	HU31E153MCYWPEC
	15000	30×35	0.40	1.78	30	HU31E153MCZWPEC
		35×30	0.40	1.78	30	HU31E153MCAWPEC
		30×45	0.40	2.36	20	HU31E223MCZWPEC
	22000	35×40	0.40	2.38	20	HU31E223MCAWPEC
		33000	35×50	0.40	2.95	15

Rated Voltage Code (Surge Voltage) (V.DC)	Capacitance ( $\mu$ F)	Case size $\phi$ DXL(mm)	$\tan\delta$ 20°C, 120Hz	Ripple current (Arms) 105°C, 120Hz	ESR (typ.) 20°C, 100Hz (m $\Omega$ )	Product name
35 1V (44)	2200	22×25	0.35	0.71	108	HU31V222MCXWPEC
		22×30	0.35	0.93	72	HU31V332MCXWPEC
	3300	25×25	0.35	0.92	72	HU31V332MCYWPEC
		22×35	0.35	1.05	61	HU31V472MCXWPEC
	4700	25×30	0.35	1.05	61	HU31V472MCYWPEC
		30×25	0.35	1.05	61	HU31V472MCZWPEC
		22×50	0.35	1.46	55	HU31V682MCXWPEC
	6800	25×40	0.35	1.40	55	HU31V682MCYWPEC
		30×30	0.35	1.34	55	HU31V682MCZWPEC
		35×25	0.35	1.34	55	HU31V682MCAWPEC
		25×50	0.35	1.57	35	HU31V103MCYWPEC
	10000	30×35	0.35	1.46	35	HU31V103MCZWPEC
		35×30	0.35	1.46	35	HU31V103MCAWPEC
	15000	30×50	0.35	2.03	25	HU31V153MCZWPEC
		35×40	0.35	1.96	25	HU31V153MCAWPEC

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Rated Voltage Code (Surge Voltage) (V. DC)	Capacitance (μF)	Case size øDXL (mm)	tanδ 20°C,120Hz	Ripple current (Arms) 105°C,120Hz	ESR(typ.) 20°C,100Hz (mΩ)	Product name
50 1H (63)	1500	22×25	0.30	0.68	159	HU31H152MCXWPEC
	2200	22×30	0.30	0.76	108	HU31H222MCXWPEC
		25×25	0.30	0.75	108	HU31H222MCYWPEC
	3300	22×35	0.30	0.99	72	HU31H332MCXWPEC
		25×30	0.30	0.98	72	HU31H332MCYWPEC
		30×25	0.30	0.99	72	HU31H332MCZWPEC
	4700	22×45	0.30	1.16	50	HU31H472MCXWPEC
		25×35	0.30	1.11	50	HU31H472MCYWPEC
		30×30	0.30	1.12	50	HU31H472MCZWPEC
		35×25	0.30	1.12	50	HU31H472MCAWPEC
	6800	25×50	0.30	1.53	35	HU31H682MCYWPEC
		30×35	0.30	1.42	35	HU31H682MCZWPEC
		35×30	0.30	1.42	35	HU31H682MCAWPEC
	10000	30×45	0.35	1.59	31	HU31H103MCZWPEC
		35×40	0.35	1.60	31	HU31H103MCAWPEC
15000	35×50	0.35	2.13	25	HU31H153MCAWPEC	
63 1J (79)	1000	22×25	0.25	0.56	238	HU31J102MCXWPEC
	1500	22×30	0.25	0.73	159	HU31J152MCXWPEC
		25×25	0.25	0.72	159	HU31J152MCYWPEC
	2200	22×35	0.25	0.81	108	HU31J222MCXWPEC
		25×30	0.25	0.80	108	HU31J222MCYWPEC
		30×25	0.25	0.81	108	HU31J222MCZWPEC
	3300	22×45	0.25	1.09	80	HU31J332MCXWPEC
		25×40	0.25	1.09	80	HU31J332MCYWPEC
		30×30	0.25	1.05	80	HU31J332MCZWPEC
		35×25	0.25	1.05	80	HU31J332MCAWPEC
	4700	25×50	0.25	1.27	60	HU31J472MCXWPEC
		30×35	0.25	1.18	60	HU31J472MCZWPEC
		35×30	0.25	1.18	60	HU31J472MCAWPEC
	6800	30×45	0.25	1.55	40	HU31J682MCZWPEC
		35×40	0.25	1.56	40	HU31J682MCAWPEC
10000	35×50	0.35	1.74	30	HU31J103MCAWPEC	
80 1K (100)	1000	22×30	0.20	0.59	230	HU31K102MCXWPEC
		25×25	0.20	0.59	230	HU31K102MCYWPEC
	1500	22×35	0.20	0.77	155	HU31K152MCXWPEC
		25×30	0.20	0.77	155	HU31K152MCYWPEC
		30×25	0.20	0.77	155	HU31K152MCZWPEC
	2200	22×50	0.20	0.93	105	HU31K222MCXWPEC
		25×40	0.20	0.89	105	HU31K222MCYWPEC
		30×30	0.20	0.85	105	HU31K222MCZWPEC
		35×25	0.20	0.85	105	HU31K222MCAWPEC
	3300	25×50	0.20	1.19	70	HU31K332MCYWPEC
		30×40	0.20	1.16	70	HU31K332MCZWPEC
		35×30	0.20	1.11	70	HU31K332MCAWPEC
	4700	30×50	0.25	1.34	50	HU31K472MCZWPEC
		35×40	0.25	1.30	50	HU31K472MCAWPEC
	6800	35×50	0.25	1.69	35	HU31K682MCAWPEC
100 2A (125)	1000	22×30	0.20	0.59	180	HU32A102MCXWPEC
		25×25	0.20	0.59	180	HU32A102MCYWPEC
	1500	22×40	0.20	0.81	120	HU32A152MCXWPEC
		25×35	0.20	0.81	120	HU32A152MCYWPEC
		30×25	0.20	0.77	120	HU32A152MCZWPEC
	2200	25×45	0.20	0.93	82	HU32A222MCYWPEC
		30×35	0.20	0.90	82	HU32A222MCZWPEC
	3300	30×45	0.20	1.21	60	HU32A332MCZWPEC
		35×35	0.20	1.16	60	HU32A332MCAWPEC
	4700	35×45	0.25	1.35	45	HU32A472MCAWPEC

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160 2C (200)	330	22×25	0.15	0.98	430	HU32C331MCXWPEC
	390	22×30	0.15	1.10	365	HU32C391MCXWPEC
		25×25	0.15	1.09	365	HU32C391MCYWPEC
	470	22×30	0.15	1.21	305	HU32C471MCXWPEC
		25×25	0.15	1.19	305	HU32C471MCYWPEC
	560	22×35	0.15	1.40	255	HU32C561MCXWPEC
		25×30	0.15	1.40	255	HU32C561MCYWPEC
		30×25	0.15	1.40	255	HU32C561MCZWPEC
	680	22×40	0.15	1.62	210	HU32C681MCXWPEC
		25×35	0.15	1.61	210	HU32C681MCYWPEC
		30×25	0.15	1.54	210	HU32C681MCZWPEC
	820	22×45	0.15	1.86	175	HU32C821MCXWPEC
		25×40	0.15	1.86	175	HU32C821MCYWPEC
		30×30	0.15	1.79	175	HU32C821MCZWPEC
	1000	35×25	0.15	1.79	175	HU32C821MCAWPEC
25×45		0.15	2.15	145	HU32C102MCYWPEC	
30×35		0.15	2.09	145	HU32C102MCZWPEC	
1200	35×25	0.15	1.98	145	HU32C102MCAWPEC	
	25×50	0.15	2.46	120	HU32C122MCYWPEC	
	30×35	0.15	2.29	120	HU32C122MCZWPEC	
1500	35×30	0.15	2.29	120	HU32C122MCAWPEC	
	30×45	0.15	2.80	95	HU32C152MCYWPEC	
	35×35	0.15	2.72	95	HU32C152MCAWPEC	
1800	35×40	0.15	3.09	80	HU32C182MCAWPEC	
180 2P (225)	270	22×25	0.15	0.86	460	HU32P271MCXWPEC
	330	22×30	0.15	1.01	375	HU32P331MCXWPEC
		25×25	0.15	1.00	375	HU32P331MCYWPEC
	390	22×30	0.15	1.10	320	HU32P391MCXWPEC
		25×25	0.15	1.09	320	HU32P391MCYWPEC
	470	22×35	0.15	1.28	265	HU32P471MCXWPEC
		25×30	0.15	1.28	265	HU32P471MCYWPEC
	560	30×25	0.15	1.28	265	HU32P471MCZWPEC
		22×40	0.15	1.47	225	HU32P561MCXWPEC
		25×30	0.15	1.40	225	HU32P561MCYWPEC
	680	30×25	0.15	1.40	225	HU32P561MCZWPEC
		22×45	0.15	1.70	185	HU32P681MCXWPEC
		25×35	0.15	1.63	185	HU32P681MCYWPEC
	820	30×30	0.15	1.63	185	HU32P681MCZWPEC
		35×25	0.15	1.63	185	HU32P681MCAWPEC
22×50		0.15	1.94	155	HU32P821MCXWPEC	
1000	25×40	0.15	1.87	155	HU32P821MCYWPEC	
	30×30	0.15	1.79	155	HU32P821MCZWPEC	
	35×25	0.15	1.79	155	HU32P821MCAWPEC	
1200	25×45	0.15	2.15	125	HU32P102MCYWPEC	
	30×35	0.15	2.09	125	HU32P102MCZWPEC	
1500	35×30	0.15	2.09	125	HU32P102MCAWPEC	
	30×40	0.15	2.39	105	HU32P122MCZWPEC	
1800	35×40	0.15	3.09	70	HU32P182MCAWPEC	

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200 2D (250)	220	22×25	0.15	0.92	485	HU32D221MCXWPEC
	270	22×25	0.15	1.03	395	HU32D271MCXWPEC
	330	22×30	0.15	1.21	325	HU32D331MCXWPEC
		25×25	0.15	1.20	325	HU32D331MCYWPEC
	390	22×35	0.15	1.39	275	HU32D391MCXWPEC
		25×25	0.15	1.31	275	HU32D391MCYWPEC
	470	22×40	0.15	1.62	230	HU32D471MCXWPEC
		25×30	0.15	1.52	230	HU32D471MCYWPEC
		30×25	0.15	1.54	230	HU32D471MCZWPEC
	560	22×45	0.15	1.85	190	HU32D561MCXWPEC
		25×35	0.15	1.75	190	HU32D561MCYWPEC
		30×30	0.15	1.78	190	HU32D561MCZWPEC
	680	22×45	0.15	2.04	160	HU32D681MCXWPEC
		25×40	0.15	2.04	160	HU32D681MCYWPEC
		30×30	0.15	1.96	160	HU32D681MCZWPEC
		35×25	0.15	1.96	160	HU32D681MCAWPEC
	820	25×45	0.15	2.34	130	HU32D821MCYWPEC
		30×35	0.15	2.27	130	HU32D821MCZWPEC
		35×30	0.15	2.27	130	HU32D821MCAWPEC
	1000	25×50	0.15	2.70	110	HU32D102MCYWPEC
		30×40	0.15	2.63	110	HU32D102MCZWPEC
		35×30	0.15	2.51	110	HU32D102MCAWPEC
	1200	30×45	0.15	3.00	90	HU32D122MCZWPEC
		35×35	0.15	2.92	90	HU32D122MCAWPEC
1500	35×45	0.15	3.38	75	HU32D152MCAWPEC	
1800	35×50	0.15	4.01	70	HU32D182MCAWPEC	
250 2E (300)	220	22×30	0.15	1.00	445	HU32E221MCXWPEC
		25×25	0.15	0.98	445	HU32E221MCYWPEC
	270	22×35	0.15	1.16	360	HU32E271MCXWPEC
		25×25	0.15	1.08	360	HU32E271MCYWPEC
	330	22×35	0.15	1.28	295	HU32E331MCXWPEC
		25×30	0.15	1.27	295	HU32E331MCYWPEC
		30×25	0.15	1.28	295	HU32E331MCZWPEC
	390	22×40	0.15	1.48	250	HU32E391MCXWPEC
		25×35	0.15	1.46	250	HU32E391MCYWPEC
		30×25	0.15	1.39	250	HU32E391MCZWPEC
	470	22×50	0.15	1.76	210	HU32E471MCXWPEC
		25×40	0.15	1.69	210	HU32E471MCYWPEC
		30×30	0.15	1.63	210	HU32E471MCZWPEC
		35×25	0.15	1.62	210	HU32E471MCAWPEC
	560	25×45	0.15	1.93	175	HU32E561MCYWPEC
		30×35	0.15	1.87	175	HU32E561MCZWPEC
		35×25	0.15	1.78	175	HU32E561MCAWPEC
	680	25×50	0.15	2.22	145	HU32E681MCYWPEC
		30×35	0.15	2.06	145	HU32E681MCZWPEC
		35×30	0.15	2.06	145	HU32E681MCAWPEC
	820	30×45	0.15	2.48	120	HU32E821MCZWPEC
		35×35	0.15	2.41	120	HU32E821MCAWPEC
	1000	35×40	0.15	2.76	100	HU32E102MCAWPEC
	1200	35×45	0.15	3.14	85	HU32E122MCAWPEC
1500	35×50	0.15	3.66	65	HU32E152MCAWPEC	

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350 2V (400)	82	22×25	0.15	0.47	1126	HU32V820MCXWPEC
		22×30	0.15	0.56	924	HU32V101MCXWPEC
	100	25×25	0.15	0.55	924	HU32V101MCYWPEC
		22×30	0.15	0.61	770	HU32V121MCXWPEC
	120	25×25	0.15	0.60	770	HU32V121MCYWPEC
		22×35	0.15	0.72	615	HU32V151MCXWPEC
	150	25×30	0.15	0.72	615	HU32V151MCYWPEC
		30×25	0.15	0.72	615	HU32V151MCZWPEC
		22×40	0.15	0.83	520	HU32V181MCXWPEC
	180	25×35	0.15	0.83	520	HU32V181MCYWPEC
		30×30	0.15	0.84	520	HU32V181MCZWPEC
		22×50	0.15	1.01	450	HU32V221MCXWPEC
	220	25×40	0.15	0.96	450	HU32V221MCYWPEC
		30×30	0.15	0.93	450	HU32V221MCZWPEC
		35×25	0.15	0.93	450	HU32V221MCAWPEC
		25×45	0.15	1.12	366	HU32V271MCXWPEC
	270	30×35	0.15	1.09	366	HU32V271MCZWPEC
		35×30	0.15	1.09	366	HU32V271MCAWPEC
		25×50	0.15	1.29	299	HU32V331MCYWPEC
	330	30×40	0.15	1.26	299	HU32V331MCZWPEC
		35×30	0.15	1.20	299	HU32V331MCAWPEC
	390	30×45	0.15	1.43	253	HU32V391MCXWPEC
		35×35	0.15	1.38	253	HU32V391MCAWPEC
	470	35×40	0.15	1.58	210	HU32V471MCAWPEC
560	35×45	0.15	1.79	181	HU32V561MCAWPEC	
400 2G (450)	68	22×25	0.15	0.52	1300	HU32G680MCXWPEC
		22×30	0.15	0.60	1126	HU32G820MCXWPEC
	82	25×25	0.15	0.60	1126	HU32G820MCYWPEC
		22×30	0.15	0.67	924	HU32G101MCXWPEC
	100	25×25	0.15	0.66	924	HU32G101MCYWPEC
		22×35	0.15	0.78	770	HU32G121MCXWPEC
	120	25×30	0.15	0.77	770	HU32G121MCYWPEC
		30×25	0.15	0.78	770	HU32G121MCZWPEC
		22×40	0.15	0.91	615	HU32G151MCXWPEC
	150	25×35	0.15	0.91	615	HU32G151MCYWPEC
		30×30	0.15	0.92	615	HU32G151MCZWPEC
		22×45	0.15	1.04	520	HU32G181MCXWPEC
	180	25×40	0.15	1.04	520	HU32G181MCYWPEC
		30×30	0.15	1.01	520	HU32G181MCZWPEC
		35×25	0.15	1.01	520	HU32G181MCAWPEC
		25×45	0.15	1.21	450	HU32G221MCYWPEC
	220	30×35	0.15	1.18	450	HU32G221MCZWPEC
		35×30	0.15	1.18	450	HU32G221MCAWPEC
		25×50	0.15	1.40	366	HU32G271MCYWPEC
	270	30×40	0.15	1.37	366	HU32G271MCZWPEC
		35×30	0.15	1.31	366	HU32G271MCAWPEC
		30×45	0.15	1.57	299	HU32G331MCZWPEC
	330	35×35	0.15	1.52	299	HU32G331MCAWPEC
		35×40	0.15	1.73	253	HU32G391MCAWPEC
470	35×45	0.15	1.97	210	HU32G471MCAWPEC	
560	35×50	0.15	2.23	181	HU32G561MCAWPEC	

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420 420V (470)	47	22×25	0.15	0.38	1880	HU3420V470MCXWPEC
	68	22×30	0.15	0.50	1499	HU3420V680MCXWPEC
	82	22×30	0.15	0.54	1242	HU3420V820MCXWPEC
		25×25	0.15	0.54	1242	HU3420V820MCYWPEC
	100	22×35	0.15	0.63	1019	HU3420V101MCXWPEC
		25×30	0.15	0.63	1019	HU3420V101MCYWPEC
	120	22×40	0.15	0.73	850	HU3420V121MCXWPEC
		25×30	0.15	0.70	850	HU3420V121MCYWPEC
		30×25	0.15	0.70	850	HU3420V121MCZWPEC
	150	22×45	0.15	0.86	679	HU3420V151MCXWPEC
		25×35	0.15	0.82	679	HU3420V151MCYWPEC
		30×30	0.15	0.83	679	HU3420V151MCZWPEC
		25×40	0.15	0.94	566	HU3420V181MCYWPEC
	180	30×30	0.15	0.91	566	HU3420V181MCZWPEC
		35×25	0.15	0.90	566	HU3420V181MCAWPEC
		25×50	0.15	1.13	463	HU3420V221MCYWPEC
	220	30×35	0.15	1.05	463	HU3420V221MCZWPEC
		35×30	0.15	1.05	463	HU3420V221MCAWPEC
		30×40	0.15	1.22	377	HU3420V271MCZWPEC
	270	35×35	0.15	1.23	377	HU3420V271MCAWPEC
30×50		0.15	1.49	309	HU3420V331MCZWPEC	
330	35×40	0.15	1.41	309	HU3420V331MCAWPEC	
	390	35×45	0.15	1.61	261	HU3420V391MCAWPEC
470	35×50	0.15	1.85	261	HU3420V471MCAWPEC	

Rated Voltage Code (Surge Voltage) (V, DC)	Capacitance (μF)	Case size øDXL (mm)	tanδ 20°C,120Hz	Ripple current (Arms) 105°C,120Hz	ESR(typ.) 20°C,100Hz (mΩ)	Product name
450 2W (500)	47	22×25	0.15	0.42	1880	HU32W470MCXWPEC
	68	22×30	0.15	0.55	1499	HU32W680MCXWPEC
		25×25	0.15	0.54	1499	HU32W680MCYWPEC
	82	22×35	0.15	0.64	1242	HU32W820MCXWPEC
		25×30	0.15	0.64	1242	HU32W820MCYWPEC
	100	22×40	0.15	0.74	1019	HU32W101MCXWPEC
		25×35	0.15	0.74	1019	HU32W101MCYWPEC
		30×25	0.15	0.71	1019	HU32W101MCZWPEC
	120	22×45	0.15	0.85	850	HU32W121MCXWPEC
		25×35	0.15	0.80	850	HU32W121MCYWPEC
		30×30	0.15	0.82	850	HU32W121MCZWPEC
		35×25	0.15	0.82	850	HU32W121MCAWPEC
	150	25×45	0.15	1.00	679	HU32W151MCYWPEC
		30×35	0.15	0.96	679	HU32W151MCZWPEC
		35×30	0.15	0.96	679	HU32W151MCAWPEC
	180	25×50	0.15	1.14	566	HU32W181MCYWPEC
		30×35	0.15	1.06	566	HU32W181MCZWPEC
		35×30	0.15	1.06	566	HU32W181MCAWPEC
	220	30×40	0.15	1.22	463	HU32W221MCZWPEC
		35×35	0.15	1.24	463	HU32W221MCAWPEC
30×50		0.15	1.48	377	HU32W271MCZWPEC	
270	35×40	0.15	1.43	377	HU32W271MCAWPEC	
	330	35×45	0.15	1.64	309	HU32W331MCAWPEC
390	35×50	0.15	1.86	261	HU32W391MCAWPEC	
500 2H (550)	39	22×30	0.20	0.35	2449	HU32H390MCXWPEC
	47	22×35	0.20	0.41	2032	HU32H470MCXWPEC
	56	22×40	0.20	0.47	1705	HU32H560MCXWPEC
	68	22×45	0.20	0.54	1404	HU32H680MCXWPEC
	82	22×50	0.20	0.62	1165	HU32H820MCXWPEC
	100	25×45	0.20	0.67	955	HU32H101MCYWPEC
	120	25×50	0.20	0.77	796	HU32H121MCYWPEC
		35×30	0.20	0.72	796	HU32H121MCAWPEC
	150	30×40	0.20	0.85	637	HU32H151MCZWPEC
	180	30×50	0.20	1.01	531	HU32H181MCZWPEC
	220	35×45	0.20	1.12	434	HU32H221MCAWPEC
	270	35×50	0.20	1.29	354	HU32H271MCAWPEC

## Life time graph

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

