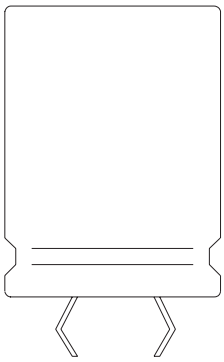
Aluminum Electrolytic Capacitors
Power Capacitor Style EYH - Snap-in Solder Pins



FEATURES

- Polarized Al electrolytic capacitor
- Very small dimension
- High C·U product
- Extended temperature range: 3000h/105°C
- Long useful life

APPLICATIONS

- General use audio/video systems, industrial electronics, telecommunication
- Smoothing and filtering
- Standard and switch mode power supplies

MAIN SPECIFICATIONS

ITEM	UNIT	LOW VOLTAGE	HIGH VOLTAGE
Nominal Case Size (D x L)	[mm]	22 x 25 to 40 x 60	22 x 20 to 40 x 60
Rated Capacitance Range	[µF]	820 - 68000	47 - 1500
Capacitance Tolerance	[%]	± 20	
Rated Voltage Range	[V]	6.3 - 100	160 - 450
Category Temperature Range	[°C]	- 40 to + 105 (U_R = 450V: - 25 to 105)	
Endurance Test at 105°C	[h]	2000	
Useful Life at 105°C and I_R	[h]	3000	
Useful Life at 40°C and I_R	[h]	300000	
Shelf Life (0V, 105°C)	[h]	1000	
Sectional Specifications		IEC 384-4, CECC 30300, LL grade	
Detail Specifications		similar to CECC 30301-809 without quality assessment	
Climatic Category IEC 68 DIN 40040		40/105/56 (U_R = 450V:25/105/56) GMF (U_R = 450V:HMF)	
Failure Rate 0.8 · U_R; 40°C	[10^{-9}/h]	≤ 50	

VALUES AND DIMENSIONS $U_R \leq 100V$

Nominal size (D x L) in mm

CAP [µF]	U_R [V] 6.3	10	16	25	35	50	63	100
820								22x30 25x25
1000								22x35 25x30
1200							22x25	22x40 25x35 30x25
1500							22x30 25x25	22x45 25x40 30x30
1800							22x30 25x25	25x45 30x35
2200						22x25	22x35 25x30	25x50 30x40 35x30
2700						22x30	22x40 25x30 30x25	30x45 35x35
3300					22x25	22x35	22x50 25x40 30x30	30x50 35x40
3900					22x30	22x40 25x35 30x25	25x45 30x35	35x45
4700				22x25	22x35 25x25	22x45 25x40 30x30	25x40 30x40 35x30	35x50 40x40
5600				22x30	22x35 25x30 30x25	22x50 25x40 30x35	30x45 35x35	40x50
6800				22x30	22x40 25x35 30x30 35x25	25x50 30x40 35x30	30x50 35x40	40x50
8200			22x25	22x35 25x30	22x50 25x40 30x30	30x45 35x35	35x45	
10000		22x25	22x30 25x25	22x40 25x35	25x45 30x35	30x50 35x40	35x50 40x60	
12000	22x25	22x30	22x35 25x30 30x25	22x45 25x40 30x30	25x50 30x40 35x30	35x45		
15000	22x30	22x35 25x25	22x40 25x35 30x30	25x45 30x35 35x30	30x45 35x35	35x50 40x40		
18000	22x35 25x25	22x35 25x30	22x45 25x40 30x30	25x50 30x40 35x35	35x40	40x50		
22000	22x35 25x30	22x40 25x35 30x25	25x45 30x35	30x45 35x35	35x45 40x40	40x50		
27000	22x40 25x35 30x25	22x50 25x40 30x30	25x50 30x40 35x30	35x45 40x40	40x50	40x60		
33000	22x50 25x40 30x30	25x45 30x35	30x45 35x35					
39000	25x45 30x35	25x50 30x40 35x30	35x45 40x40					
47000	25x50 30x40 35x30	30x45 35x35	35x45 40x40					
56000	30x50 35x40	35x45 40x40	40x50					
68000	35x45 40x40	40x50	40x60					

Special values/dimensions on request

VALUES AND DIMENSIONS U_R > 100V

Nominal size (D x L) in mm

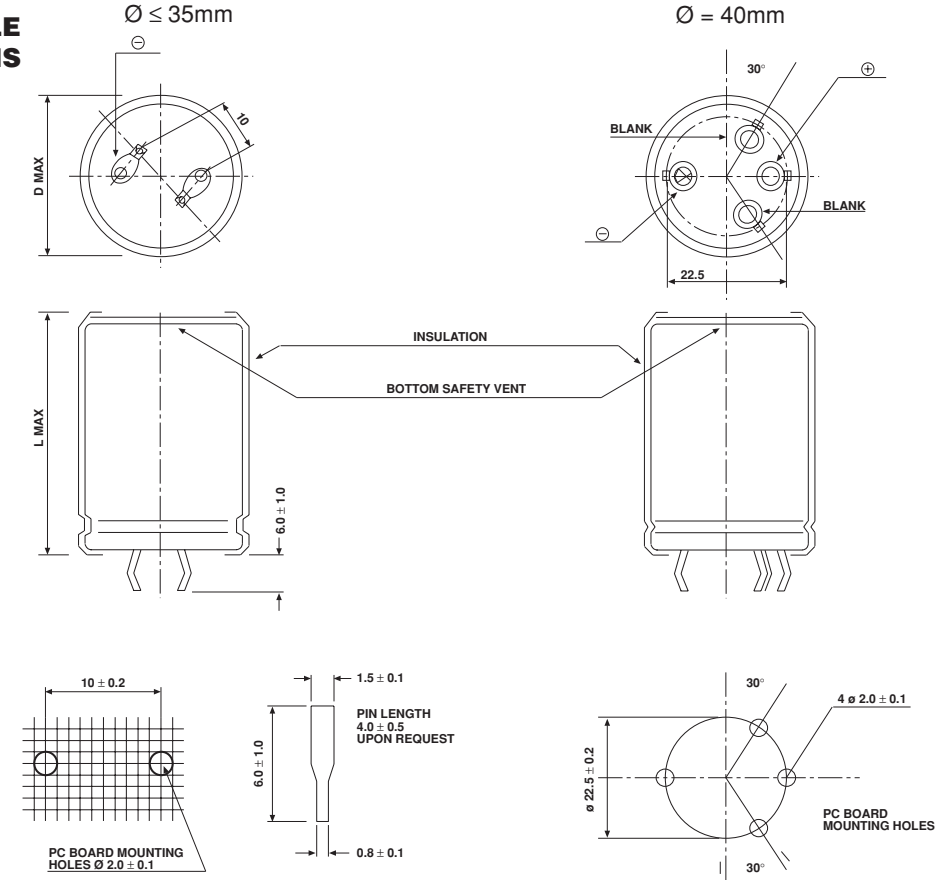
CAP [µF]	U_R [V]					
	160	200	250	350	400	450
47						22x20
56					22x30	22x25 25x20
68				22x20	22x25 25x20	22x30 25x25 30x20
82				22x25 25x20	22x30 25x25 30x20	22x35 25x30 30x20
100				22x25 25x25 30x20	22x35 25x30 30x20	22x40 25x30 30x25 35x20
120				22x30 25x25 30x20	22x40 25x30 30x25 35x20	22x45 25x35 30x30 35x25
150		22x20	22x25 25x20	22x40 25x30 30x25 35x20	22x45 25x35 30x30 35x20	22x50 25x40 30x30 35x25
180	22x20	22x20	22x25 25x20 30x20	22x45 25x35 30x30 35x20	22x50 25x40 30x30 35x25	25x45 30x35 35x30
220	22x20	22x25 25x20	22x30 25x25 30x20	22x50 25x40 30x30 35x25	25x45 30x35 35x30	25x50 30x40 35x30
270	22x25	22x30 25x20 30x20	22x35 25x25 30x25 35x20	25x30 30x35 35x30	25x45 30x40 35x30	25x50 30x45 35x35
330	22x25 25x25 30x20	22x30 25x25 30x20	22x40 25x30 30x25 35x20	30x40 35x35	30x45 35x35	30x50 35x40
390	22x30 25x25 30x20	22x35 25x30 30x25 35x20	22x45 25x40 30x30 35x25	30x45 35x40	30x50 35x40	35x45
470	22x35 25x25 30x25 35x20	22x40 25x35 30x25 35x25	22x50 25x40 30x30 35x25	35x45	35x45 40x40	35x50 40x40
560	22x40 25x30 30x25 35x25	22x45 25x40 30x30 35x25	25x50 30x35 35x30	35x50 40x40	35x50 40x50	40x50
680	22x45 25x35 30x25 35x25	22x50 25x45 30x30 35x25	30x45 35x35	40x50	40x60	
820	22x50 25x40 30x30 35x25	25x50 30x35 35x30	35x40			
1000	25x45 30x25 35x30	30x45 35x35	35x45 40x40			
1200	25x50 30x40 35x30	30x50 35x35 40x40	35x50 40x50			
1500	35x40 40x40	35x45 40x50	40x60			

Special values/dimensions on request

DIMENSIONS AND PACKAGING QUANTITIES

Nominal size D x L mm x mm	Maximum size D_{max} x L_{max} mm x mm	Packaging quantity pcs
22 x 20 22 x 25 22 x 30 22 x 35 22 x 40 22 x 45	23 x 22 23 x 27 23 x 32 23 x 37 23 x 42 23 x 47	200
25 x 20 25 x 25 25 x 30 25 x 35 25 x 40 25 x 50	26.4 x 22 26.4 x 27 26.4 x 32 26.4 x 37 26.4 x 42 26.4 x 52	150
30 X 20 30 X 25 30 X 30 30 X 35 30 X 40 30 X 45 30 X 50	31 X 22 31 X 27 31 X 32 31 X 37 31 X 42 31 X 47 31 X 52	100
35 X 20 35 X 25 35 X 30 35 X 35 35 X 40 35 X 45 35 X 50	36 X 22 36 X 27 36 X 32 36 X 37 36 X 42 36 X 47 36 X 52	70
40 X 40 40 X 50 40 X 60	41 X 42 41 X 52 41 X 62	50

SNAP-IN STYLE TERMINATIONS



ORDERING INFORMATION AND EXAMPLE

The 12th place of ordering code refers to the length of the snap-in pins

EYH07...02 0 = snap-in pin 6mm
EYH07...42 4 = snap-in pin 4mm

The 13th place of ordering code refers to the kind of insulation

EYH07...02 2 = fully insulated

On special request only:

EYH07...01 1 = sleeve insulation

The 14th place, not indicated in the following table, is an inter-company code and is not relevant to your order.

EYH07LA447F42 = EYH 4700µF/35V 22mm x 35mm, snap-in pin 4mm, fully insulated

MEASURING CONDITIONS/FORMULA LEGEND

T_a = 20°C, p = 80-120 kPa, RH = 45-75%

T_a	Ambient temperature
RH	Relative humidity
p	Ambient pressure
C_R	Rated capacitance at 120Hz
U_R	Rated voltage
tan δ	Dissipation factor at 120Hz
R_{ESR}	Equivalent series resistance at 120Hz
Z	Impedance at 10kHz
I_R	Rated alternating current (rms), 120Hz, upper category temperature

ELECTRICAL CHARACTERISTICS, WEIGHT AND ORDERING CODE

C_R 120 Hz [µF]	RATED VOLTAGE U_R [V]	DIMENSION D x L [mm]	TAN δ 120 Hz MAX.	R_{ESR} 120 Hz MAX. [Ω]	Z 10 kHz MAX. [Ω]	I_R 120 Hz 105°C [A]	WEIGHT [g]	ORDERING NO.
12000	6.3	22 x 25	0.66	0.075	0.075	2.2	14	EYH07LU512B02
15000	6.3	22 x 30	0.66	0.060	0.060	2.5	16	EYH07LV515B02
18000	6.3	22 x 35	0.66	0.050	0.050	2.9	19	EYH07LA518B02
18000	6.3	25 x 25	0.74	0.055	0.055	2.8	18	EYH07AU518B02
22000	6.3	22 x 35	0.69	0.045	0.040	3.0	19	EYH07LA522B02
22000	6.3	25 x 30	0.72	0.045	0.045	3.2	21	EYH07AV522B02
27000	6.3	22 x 40	0.69	0.035	0.035	3.4	22	EYH07LB527B02
27000	6.3	25 x 35	0.73	0.040	0.035	3.5	25	EYH07AA527B02
27000	6.3	30 x 25	0.90	0.045	0.045	3.4	25	EYH07BU527B02
33000	6.3	22 x 50	0.68	0.030	0.030	3.9	27	EYH07LD533B02
33000	6.3	25 x 40	0.74	0.030	0.030	3.9	28	EYH07AB533B02
33000	6.3	30 x 30	0.87	0.035	0.035	3.8	30	EYH07BV533B02
39000	6.3	25 x 45	0.74	0.030	< 0.030	4.3	31	EYH07AC539B02
39000	6.3	30 x 35	0.86	0.030	0.030	4.2	35	EYH07BA539B02
47000	6.3	25 x 50	0.76	< 0.030	< 0.030	4.6	35	EYH07AD547B02
47000	6.3	30 x 40	0.87	< 0.030	< 0.030	4.6	40	EYH07BB547B02
47000	6.3	35 x 30	1.13	0.035	0.035	4.5	41	EYH07CV547B02
56000	6.3	30 x 50	0.82	< 0.030	< 0.030	5.2	50	EYH07BD556B02
56000	6.3	35 x 40	0.97	< 0.030	< 0.030	5.1	55	EYH07CB556B02
68000	6.3	35 x 45	1.01	< 0.030	< 0.030	5.5	62	EYH07CC568B02
68000	6.3	40 x 40	1.14	< 0.030	< 0.030	5.6	72	EYH07DB568B02
10000	10	22 x 25	0.59	0.080	0.075	2.2	14	EYH07LU510C02
12000	10	22 x 30	0.57	0.065	0.060	2.5	16	EYH07LV512C02
15000	10	22 x 35	0.59	0.055	0.050	2.8	19	EYH07LA515C02
15000	10	25 x 25	0.66	0.060	0.055	2.8	18	EYH07AU515C02
18000	10	22 x 35	0.61	0.045	0.045	3.0	19	EYH07LA518C02
18000	10	25 x 30	0.65	0.050	0.050	3.1	21	EYH07AV518C02
22000	10	22 x 40	0.62	0.040	0.040	3.4	22	EYH07LB522C02
22000	10	25 x 35	0.65	0.040	0.040	3.5	25	EYH07AA522C02
22000	10	30 x 25	0.81	0.050	0.050	3.4	25	EYH07BU522C02
27000	10	22 x 50	0.61	0.030	0.030	3.9	27	EYH07LD527C02
27000	10	25 x 40	0.66	0.035	0.035	3.9	28	EYH07AB527C02
27000	10	30 x 30	0.79	0.040	0.040	3.8	30	EYH07BV527C02
33000	10	25 x 45	0.67	0.030	0.030	4.3	31	EYH07AC533C02
33000	10	30 x 35	0.79	0.035	0.030	4.2	35	EYH07BA533C02
39000	10	25 x 50	0.69	< 0.030	< 0.030	4.6	35	EYH07AD539C02
39000	10	30 x 40	0.79	0.030	0.030	4.6	40	EYH07BB539C02
39000	10	35 x 30	1.05	0.040	0.035	4.5	41	EYH07CV539C02
47000	10	30 x 45	0.81	< 0.030	< 0.030	5.0	45	EYH07BC547C02
47000	10	35 x 35	1.04	0.030	0.030	4.9	48	EYH07CA547C02

ELECTRICAL CHARACTERISTICS, WEIGHT AND ORDERING CODE

C_R 120 Hz [µF]	RATED VOLTAGE U_R [V]	DIMENSION D x L [mm]	TAN δ 120 Hz MAX.	R_{ESR} 120 Hz MAX. [Ω]	Z 10 kHz MAX. [Ω]	I_R 120 Hz 105°C [A]	WEIGHT [g]	ORDERING NO.
56000	10	35 x 45	0.93	< 0.030	< 0.030	5.5	62	EYH07CC556C02
56000	10	40 x 40	1.05	< 0.030	< 0.030	5.6	72	EYH07DB556C02
68000	10	40 x 50	0.99	< 0.030	< 0.030	6.2	89	EYH07DD568C02
8200	16	22 x 25	0.49	0.080	0.075	2.1	14	EYH07LU482D02
10000	16	22 x 30	0.48	0.065	0.060	2.5	16	EYH07LV510D02
10000	16	25 x 25	0.51	0.070	0.065	2.6	18	EYH07AU510D02
12000	16	22 x 35	0.48	0.055	0.050	2.8	19	EYH07LA512D02
12000	16	25 x 30	0.50	0.060	0.055	2.9	21	EYH07AV512D02
12000	16	30 x 25	0.54	0.060	0.055	3.0	25	EYH07BU512D02
15000	16	22 x 40	0.48	0.045	0.040	3.2	22	EYH07LB515D02
15000	16	25 x 35	0.50	0.045	0.045	3.3	25	EYH07AA515D02
15000	16	30 x 30	0.53	0.050	0.045	3.4	30	EYH07BV515D02
18000	16	22 x 45	0.49	0.040	0.035	3.5	24	EYH07LC518D02
18000	16	25 x 40	0.50	0.040	0.035	3.7	28	EYH07AB518D02
18000	16	30 x 30	0.58	0.045	0.040	3.6	30	EYH07BV518D02
22000	16	25 x 45	0.51	0.035	0.030	4.0	31	EYH07AC522D02
22000	16	30 x 35	0.58	0.035	0.035	4.0	35	EYH07BA522D02
27000	16	25 x 50	0.53	0.030	< 0.030	4.4	35	EYH07AD527D02
27000	16	30 x 40	0.59	0.030	0.030	4.4	40	EYH07BB527D02
27000	16	35 x 30	0.74	0.040	0.035	4.3	41	EYH07CV527D02
33000	16	30 x 45	0.61	< 0.030	< 0.030	4.8	45	EYH07BC533D02
33000	16	35 x 35	0.75	0.035	0.030	4.7	48	EYH07CA533D02
39000	16	30 x 50	0.62	< 0.030	< 0.030	5.2	50	EYH07BD539D02
39000	16	35 x 40	0.75	0.030	< 0.030	5.1	55	EYH07CB539D02
47000	16	35 x 45	0.74	< 0.030	< 0.030	5.5	62	EYH07CC547D02
47000	16	40 x 40	0.88	< 0.030	< 0.030	5.6	72	EYH07DB547D02
56000	16	40 x 50	0.81	< 0.030	< 0.030	6.2	89	EYH07DD556D02
68000	16	40 x 60	0.80	< 0.030	< 0.030	6.8	107	EYH07DF568D02
4700	25	22 x 25	0.41	0.120	0.105	1.7	14	EYH07LU447E02
5600	25	22 x 30	0.40	0.095	0.090	2.0	16	EYH07LV456E02
6800	25	22 x 30	0.41	0.080	0.075	2.1	16	EYH07LV468E02
8200	25	22 x 35	0.41	0.070	0.060	2.4	19	EYH07LA482E02
8200	25	25 x 30	0.42	0.070	0.065	2.5	21	EYH07AV482E02
10000	25	22 x 40	0.41	0.055	0.050	2.8	22	EYH07LB510E02
10000	25	25 x 35	0.42	0.060	0.055	2.9	25	EYH07AA510E02
12000	25	22 x 45	0.41	0.050	0.045	3.1	24	EYH07LC512E02
12000	25	25 x 40	0.42	0.050	0.045	3.2	28	EYH07AB512E02
12000	25	30 x 30	0.45	0.050	0.045	3.2	30	EYH07BV512E02
15000	25	25 x 45	0.43	0.040	0.035	3.6	31	EYH07AC515E02
15000	25	30 x 35	0.46	0.045	0.040	3.6	35	EYH07BA515E02
15000	25	35 x 30	0.49	0.045	0.040	3.7	41	EYH07CV515E02
18000	25	25 x 50	0.43	0.035	0.030	4.0	35	EYH07AD518E02
18000	25	30 x 40	0.46	0.035	0.035	4.0	40	EYH07BB518E02
18000	25	35 x 35	0.49	0.040	0.035	4.1	48	EYH07CA518E02
22000	25	30 x 45	0.47	0.030	0.030	4.4	45	EYH07BC522E02
22000	25	35 x 35	0.54	0.035	0.030	4.3	48	EYH07CA522E02
27000	25	35 x 45	0.51	0.030	< 0.030	4.9	62	EYH07CC527E02
27000	25	40 x 40	0.55	0.030	< 0.030	5.0	72	EYH07DB527E02
3300	35	22 x 25	0.33	0.135	0.120	1.6	14	EYH07LU433F02
3900	35	22 x 30	0.33	0.115	0.100	1.9	16	EYH07LV439F02
4700	35	22 x 35	0.33	0.095	0.085	2.1	19	EYH07LA447F02
4700	35	25 x 25	0.34	0.100	0.085	2.1	18	EYH07AU447F02
5600	35	22 x 35	0.34	0.085	0.075	2.3	19	EYH07LA456F02
5600	35	25 x 30	0.34	0.085	0.075	2.4	21	EYH07AV456F02
5600	35	30 x 25	0.35	0.085	0.075	2.4	25	EYH07BU456F02
6800	35	22 x 40	0.34	0.070	0.060	2.6	22	EYH07LB468F02
6800	35	25 x 35	0.34	0.070	0.060	2.7	25	EYH07AA468F02
6800	35	30 x 30	0.35	0.070	0.065	2.8	30	EYH07BV468F02
8200	35	22 x 50	0.33	0.055	0.050	3.0	27	EYH07LD482F02
8200	35	25 x 40	0.33	0.055	0.050	3.0	28	EYH07AB482F02
8200	35	30 x 30	0.36	0.060	0.055	3.0	30	EYH07BV482F02
10000	35	25 x 45	0.34	0.050	0.040	3.4	31	EYH07AC510F02
10000	35	30 x 35	0.36	0.050	0.045	3.4	35	EYH07BA510F02

ELECTRICAL CHARACTERISTICS, WEIGHT AND ORDERING CODE

C_R 120 Hz [µF]	RATED VOLTAGE U_R [V]	DIMENSION D x L [mm]	TAN δ 120 Hz MAX.	R_{ESR} 120 Hz MAX. [Ω]	Z 10 kHz MAX. [Ω]	I_R 120 Hz 105°C [A]	WEIGHT [g]	ORDERING NO.
12000	35	25 x 50	0.35	0.040	0.035	3.8	35	EYH07AD512F02
12000	35	30 x 40	0.36	0.040	0.040	3.8	40	EYH07BB512F02
12000	35	35 x 30	0.41	0.050	0.040	3.7	41	EYH07CV512F02
15000	35	30 x 45	0.37	0.035	0.030	4.2	45	EYH07BC515F02
15000	35	35 x 35	0.42	0.040	0.035	4.1	48	EYH07CA515F02
18000	35	35 x 40	0.42	0.035	0.030	4.5	55	EYH07CB518F02
22000	35	35 x 45	0.43	0.030	< 0.030	5.0	62	EYH07CC522F02
22000	35	40 x 40	0.47	0.030	< 0.030	5.0	72	EYH07DB522F02
27000	35	40 x 50	0.45	< 0.030	< 0.030	5.9	89	EYH07DD527F02
2700	50	22 x 30	0.28	0.140	0.120	1.9	16	EYH07LV427H02
3300	50	22 x 35	0.28	0.115	0.100	2.2	19	EYH07LA433H02
3900	50	22 x 40	0.28	0.100	0.085	2.5	22	EYH07LB439H02
3900	50	25 x 35	0.29	0.100	0.085	2.6	25	EYH07AA439H02
3900	50	30 x 25	0.29	0.100	0.085	2.5	25	EYH07BU439H02
4700	50	22 x 45	0.28	0.080	0.070	2.8	24	EYH07LC447H02
4700	50	25 x 40	0.29	0.085	0.070	2.9	28	EYH07AB447H02
4700	50	30 x 30	0.29	0.085	0.070	2.9	30	EYH07BV447H02
5600	50	22 x 50	0.28	0.070	0.060	3.1	27	EYH07LD456H02
5600	50	25 x 40	0.29	0.070	0.060	3.1	28	EYH07AB456H02
5600	50	30 x 35	0.29	0.070	0.060	3.2	35	EYH07BA456H02
6800	50	25 x 50	0.29	0.060	0.050	3.6	35	EYH07AD468H02
6800	50	30 x 40	0.29	0.060	0.050	3.6	40	EYH07BB468H02
6800	50	35 x 30	0.31	0.065	0.055	3.5	41	EYH07CV468H02
8200	50	30 x 45	0.29	0.050	0.040	3.9	45	EYH07BC482H02
8200	50	35 x 35	0.31	0.055	0.045	3.9	48	EYH07CA482H02
10000	50	30 x 50	0.30	0.040	0.035	4.4	50	EYH07BD510H02
10000	50	35 x 40	0.31	0.045	0.035	4.4	55	EYH07CB510H02
12000	50	35 x 45	0.31	0.035	0.030	4.8	62	EYH07CC512H02
15000	50	35 x 50	0.32	0.030	< 0.030	5.2	68	EYH07CD515H02
15000	50	40 x 40	0.31	0.030	< 0.030	5.1	72	EYH07DB515H02
18000	50	40 x 50	0.31	< 0.030	< 0.030	5.8	89	EYH07DD518H02
22000	50	40 x 50	0.37	< 0.030	< 0.030	6.0	89	EYH07DD522H02
27000	50	40 x 60	0.37	< 0.030	< 0.030	6.6	107	EYH07DF527H02
1200	63	22 x 25	0.21	0.235	0.185	1.4	14	EYH07LU412J02
1500	63	22 x 30	0.21	0.190	0.150	1.5	16	EYH07LV415J02
1500	63	25 x 25	0.21	0.190	0.150	1.5	18	EYH07AU415U02
1800	63	22 x 30	0.21	0.155	0.125	1.6	16	EYH07LV418J02
1800	63	25 x 25	0.21	0.155	0.125	1.7	18	EYH07AU418U02
2200	63	22 x 35	0.21	0.130	0.105	1.9	19	EYH07LA422J02
2200	63	25 x 30	0.21	0.130	0.105	1.9	21	EYH07AV422J02
2700	63	22 x 40	0.21	0.105	0.085	2.2	22	EYH07LB427J02
2700	63	25 x 30	0.21	0.105	0.085	2.1	21	EYH07AV427J02
2700	63	30 x 25	0.22	0.110	0.090	2.2	25	EYH07BU427U02
3300	63	22 x 50	0.21	0.085	0.070	2.5	27	EYH07LD433J02
3300	63	25 x 40	0.21	0.085	0.070	2.5	28	EYH07AB433J02
3300	63	30 x 30	0.22	0.090	0.070	2.5	30	EYH07BV433J02
3900	63	25 x 45	0.21	0.075	0.060	2.9	31	EYH07AC439J02
3900	63	30 x 35	0.22	0.075	0.060	2.8	35	EYH07BA439J02
4700	63	25 x 40	0.21	0.060	0.050	3.2	28	EYH07AB447J02
4700	63	30 x 40	0.22	0.065	0.050	3.2	40	EYH07BB447J02
4700	63	35 x 30	0.24	0.070	0.055	3.1	41	EYH07CV447J02
5600	63	30 x 45	0.22	0.055	0.045	3.5	45	EYH07BC456J02
5600	63	35 x 35	0.24	0.060	0.045	3.5	48	EYH07CA456J02
6800	63	30 x 50	0.22	0.045	0.035	3.9	50	EYH07BD468J02
6800	63	35 x 40	0.24	0.050	0.040	3.9	55	EYH07CB468J02
8200	63	35 x 45	0.24	0.040	0.035	4.2	62	EYH07CC482J02
10000	63	35 x 50	0.24	0.035	0.030	4.7	68	EYH07CD510J02
10000	63	40 x 40	0.28	0.040	0.030	4.6	72	EYH07DB510J02
820	100	22 x 30	0.17	0.275	0.190	1.5	16	EYH07LV382L02
820	100	25 x 25	0.17	0.275	0.190	1.5	18	EYH07AU382L02
1000	100	22 x 35	0.17	0.230	0.160	1.7	19	EYH07LA410L02
1000	100	25 x 30	0.17	0.230	0.160	1.8	21	EYH07AV410L02
1200	100	22 x 40	0.17	0.190	0.130	1.9	22	EYH07LB412L02

ELECTRICAL CHARACTERISTICS, WEIGHT AND ORDERING CODE

C_R 120 Hz [µF]	RATED VOLTAGE U_R [V]	DIMENSION D x L [mm]	TAN δ 120 Hz MAX.	R_{ESR} 120 Hz MAX. [Ω]	Z 10 kHz MAX. [Ω]	I_R 120 Hz 105°C [A]	WEIGHT [g]	ORDERING NO.
1200	100	25 x 35	0.17	0.190	0.130	1.9	25	EYH07AA412L02
1200	100	30 x 25	0.17	0.190	0.130	1.9	25	EYH07BU412L02
1500	100	22 x 45	0.17	0.155	0.105	2.2	24	EYH07LC415L02
1500	100	25 x 40	0.17	0.155	0.105	2.3	28	EYH07AB415L02
1500	100	30 x 30	0.17	0.155	0.105	2.2	30	EYH07BV415L02
1800	100	25 x 45	0.17	0.130	0.090	2.6	31	EYH07AC418L02
1800	100	30 x 35	0.17	0.130	0.090	2.6	35	EYH07BA418L02
2200	100	25 x 50	0.17	0.105	0.075	2.9	35	EYH07AD422L02
2200	100	30 x 40	0.17	0.105	0.075	2.8	40	EYH07BB422L02
2200	100	35 x 30	0.18	0.110	0.075	2.8	41	EYH07CV422L02
2700	100	30 x 45	0.17	0.085	0.060	3.3	45	EYH07BC427L02
2700	100	35 x 35	0.18	0.090	0.065	3.2	48	EYH07CA427L02
3300	100	30 x 50	0.17	0.070	0.050	3.6	50	EYH07BD433L02
3300	100	35 x 40	0.18	0.075	0.050	3.6	55	EYH07CB433L02
3900	100	35 x 45	0.18	0.065	0.045	4.0	62	EYH07CC439L02
4700	100	35 x 50	0.18	0.055	0.040	4.4	68	EYH07CD447L02
4700	100	40 x 40	0.19	0.055	0.040	4.3	72	EYH07DB447L02
5600	100	40 x 50	0.19	0.045	0.035	4.9	89	EYH07DD456L02
6800	100	40 x 50	0.20	0.040	0.030	5.2	89	EYH07DD468L02
180	160	22 x 20	0.14	1.04	0.64	0.69	11	EYH07LW318M02
220	160	22 x 20	0.14	0.85	0.53	0.76	11	EYH07LW322M02
270	160	22 x 25	0.14	0.69	0.43	0.91	14	EYH07LU327M02
270	160	25 x 20	0.14	0.69	0.43	0.93	14	EYH07AW327M02
330	160	22 x 25	0.14	0.57	0.35	1.0	14	EYH07LU333M02
330	160	25 x 25	0.14	0.57	0.35	1.1	18	EYH07AU333M02
330	160	30 x 20	0.15	0.61	0.38	1.1	20	EYH07BW333M02
390	160	22 x 30	0.14	0.48	0.30	1.2	16	EYH07LV339M02
390	160	25 x 25	0.14	0.48	0.30	1.2	18	EYH07AU339M02
390	160	30 x 20	0.15	0.52	0.32	1.2	20	EYH07BW339M02
470	160	22 x 35	0.14	0.40	0.25	1.4	19	EYH07LA347M02
470	160	25 x 25	0.14	0.40	0.25	1.3	18	EYH07AU347M02
470	160	30 x 25	0.15	0.43	0.27	1.4	25	EYH07BU347M02
470	160	35 x 20	0.15	0.43	0.27	1.5	27	EYH07CW347M02
560	160	22 x 40	0.14	0.34	0.21	1.6	22	EYH07LB356M02
560	160	25 x 30	0.14	0.34	0.21	1.5	21	EYH07AV356M02
560	160	30 x 25	0.15	0.36	0.23	1.6	25	EYH07BU356M02
560	160	35 x 25	0.15	0.36	0.23	1.7	34	EYH07CU356M02
680	160	22 x 45	0.14	0.28	0.17	1.8	24	EYH07LC368M02
680	160	25 x 35	0.14	0.28	0.17	1.8	25	EYH07AA368M02
680	160	30 x 25	0.15	0.30	0.19	1.7	25	EYH07BU368M02
680	160	35 x 25	0.15	0.30	0.19	1.9	34	EYH07CU368M02
820	160	22 x 50	0.14	0.23	0.15	2.1	27	EYH07LD382M02
820	160	25 x 40	0.14	0.23	0.15	2.1	28	EYH07AB382M02
820	160	30 x 30	0.15	0.25	0.16	2.0	30	EYH07BV382M02
820	160	35 x 25	0.15	0.25	0.16	2.1	34	EYH07CU382M02
1000	160	25 x 45	0.14	0.19	0.12	2.4	31	EYH07AC410M02
1000	160	30 x 25	0.15	0.20	0.13	2.4	25	EYH07BU410M02
1000	160	35 x 30	0.15	0.20	0.13	2.4	41	EYH07CV410M02
1200	160	25 x 50	0.14	0.16	0.10	2.5	35	EYH07AD412M02
1200	160	30 x 40	0.15	0.17	0.11	2.5	40	EYH07BB412M02
1200	160	35 x 30	0.15	0.17	0.11	2.4	41	EYH07CV412M02
1500	160	35 x 40	0.15	0.14	0.09	3.0	55	EYH07CB415M02
1500	160	40 x 40	0.16	0.15	0.09	3.2	72	EYH07DB415M02
150	200	22 x 20	0.14	1.24	0.80	0.63	11	EYH07LW315S02
180	200	22 x 20	0.14	1.04	0.67	0.69	11	EYH07LW318S02
220	200	22 x 25	0.14	0.85	0.55	0.82	14	EYH07LU322S02
220	200	25 x 20	0.14	0.85	0.55	0.84	14	EYH07AW322S02
270	200	22 x 30	0.14	0.69	0.45	0.91	16	EYH07LV327S02
270	200	25 x 25	0.14	0.69	0.45	1.0	18	EYH07AU327S02
270	200	30 x 20	0.15	0.74	0.48	1.0	20	EYH07BW327S02
330	200	22 x 30	0.14	0.57	0.37	1.1	16	EYH07LV333S02
330	200	25 x 25	0.14	0.57	0.37	1.1	18	EYH07AU333S02
330	200	30 x 20	0.15	0.61	0.39	1.1	20	EYH07BW333S02

ELECTRICAL CHARACTERISTICS, WEIGHT AND ORDERING CODE

C_R 120 Hz [µF]	RATED VOLTAGE U_R [V]	DIMENSION D x L [mm]	TAN δ 120 Hz MAX.	R_{ESR} 120 Hz MAX. [Ω]	Z 10 kHz MAX. [Ω]	I_R 120 Hz 105°C [A]	WEIGHT [g]	ORDERING NO.
390	200	22 x 35	0.14	0.48	0.31	1.2	19	EYH07LA339S02
390	200	25 x 30	0.14	0.48	0.31	1.3	21	EYH07AV339S02
390	200	30 x 25	0.15	0.52	0.33	1.3	25	EYH07BU339S02
390	200	35 x 20	0.15	0.52	0.33	1.3	27	EYH07CW339S02
470	200	22 x 40	0.14	0.40	0.26	1.4	22	EYH07LB347S02
470	200	25 x 35	0.14	0.40	0.26	1.4	25	EYH07AA347S02
470	200	30 x 25	0.15	0.43	0.28	1.4	25	EYH07BU347S02
470	200	35 x 25	0.15	0.43	0.28	1.6	34	EYH07CU347S02
560	200	22 x 45	0.14	0.34	0.22	1.6	24	EYH07LC356S02
560	200	25 x 40	0.14	0.34	0.22	1.6	28	EYH07AB356S02
560	200	30 x 30	0.15	0.36	0.23	1.7	30	EYH07BV356S02
560	200	35 x 25	0.15	0.36	0.23	1.7	34	EYH07CU356S02
680	200	22 x 50	0.14	0.28	0.18	1.9	27	EYH07LD368S02
680	200	25 x 45	0.14	0.28	0.18	2.0	31	EYH07AC368S02
680	200	30 x 30	0.15	0.30	0.19	1.8	30	EYH07BV368S02
680	200	35 x 25	0.15	0.30	0.19	1.9	34	EYH07CU368S02
820	200	25 x 50	0.14	0.23	0.15	2.3	35	EYH07AD382S02
820	200	30 x 35	0.15	0.25	0.16	2.1	35	EYH07BA382S02
820	200	35 x 30	0.15	0.25	0.16	2.2	41	EYH07CV382S02
1000	200	30 x 45	0.15	0.20	0.13	2.6	45	EYH07BC410S02
1000	200	35 x 35	0.15	0.20	0.13	2.5	48	EYH07CA410S02
1200	200	30 x 50	0.15	0.17	0.11	2.7	50	EYH07BD412S02
1200	200	35 x 35	0.15	0.17	0.11	2.6	48	EYH07CA412S02
1500	200	35 x 45	0.15	0.14	0.09	3.1	62	EYH07CC415S02
1500	200	40 x 50	0.15	0.14	0.09	3.4	89	EYH07DD415S02
150	250	22 x 25	0.14	1.24	0.75	0.68	14	EYH07LU315N02
150	250	25 x 20	0.14	1.24	0.75	0.69	14	EYH07AW315N02
180	250	22 x 25	0.14	1.04	0.62	0.74	14	EYH07LU318N02
180	250	25 x 20	0.14	1.04	0.62	0.76	14	EYH07AW318N02
180	250	30 x 20	0.14	1.04	0.62	0.83	20	EYH07BW318N02
220	250	22 x 30	0.14	0.85	0.51	0.88	16	EYH07LV322N02
220	250	25 x 25	0.14	0.85	0.51	0.90	18	EYH07AU322N02
220	250	30 x 20	0.14	0.85	0.51	0.92	20	EYH07BW322N02
270	250	22 x 35	0.14	0.69	0.42	1.0	19	EYH07LA327N02
270	250	25 x 30	0.14	0.69	0.42	1.1	21	EYH07AV327N02
270	250	30 x 25	0.14	0.69	0.42	1.1	25	EYH07BU327N02
270	250	35 x 20	0.14	0.69	0.42	1.1	27	EYH07CW327N02
330	250	22 x 40	0.14	0.57	0.34	1.2	22	EYH07LB333N02
330	250	25 x 30	0.14	0.57	0.34	1.2	21	EYH07AV333N02
330	250	30 x 25	0.14	0.57	0.34	1.2	25	EYH07BU333N02
330	250	35 x 20	0.14	0.57	0.34	1.2	27	EYH07CW333N02
390	250	22 x 45	0.14	0.48	0.29	1.4	24	EYH07LC339N02
390	250	25 x 40	0.14	0.48	0.29	1.4	28	EYH07AB339N02
390	250	30 x 30	0.14	0.48	0.29	1.4	30	EYH07BV339N02
390	250	35 x 25	0.14	0.48	0.29	1.4	34	EYH07CU339N02
470	250	22 x 50	0.14	0.40	0.24	1.6	27	EYH07LD347N02
470	250	25 x 40	0.14	0.40	0.24	1.6	28	EYH07AB347N02
470	250	30 x 30	0.14	0.40	0.24	1.5	30	EYH07BV347N02
470	250	35 x 25	0.14	0.40	0.24	1.6	34	EYH07CU347N02
560	250	25 x 50	0.14	0.34	0.20	1.9	35	EYH07AD356N02
560	250	30 x 35	0.14	0.34	0.20	1.8	35	EYH07BA356N02
560	250	35 x 30	0.14	0.34	0.20	1.8	41	EYH07CV356N02
680	250	30 x 45	0.14	0.28	0.17	2.1	45	EYH07BC368N02
680	250	35 x 35	0.14	0.28	0.17	2.1	48	EYH07CA368N02
820	250	35 x 40	0.14	0.23	0.14	2.4	55	EYH07CB382N02
1000	250	35 x 45	0.14	0.19	0.12	2.8	62	EYH07CC410N02
1000	250	40 x 40	0.14	0.19	0.12	2.8	72	EYH07DB410N02
1200	250	35 x 50	0.14	0.16	0.10	2.9	68	EYH07CD412N02
1200	250	40 x 50	0.14	0.16	0.10	3.1	89	EYH07DD412N02
1500	250	40 x 60	0.14	0.13	0.08	3.7	107	EYH07DF415N02
68	350	22 x 20	0.14	2.74	1.89	0.41	11	EYH07LW268O02
82	350	22 x 25	0.14	2.27	1.57	0.48	14	EYH07LU282O02
82	350	25 x 20	0.14	2.27	1.57	0.49	14	EYH07AW282O02

ELECTRICAL CHARACTERISTICS, WEIGHT AND ORDERING CODE

C_R 120 Hz [µF]	RATED VOLTAGE U_R [V]	DIMENSION D x L [mm]	TAN δ 120 Hz MAX.	R_{ESR} 120 Hz MAX. [Ω]	Z 10 kHz MAX. [Ω]	I_R 120 Hz 105°C [A]	WEIGHT [g]	ORDERING NO.
100	350	22 x 25	0.14	1.86	1.29	0.53	14	EYH07LU310O02
100	350	25 x 25	0.14	1.86	1.29	0.59	18	EYH07AU310O02
100	350	30 x 20	0.14	1.86	1.29	0.60	20	EYH07BW310O02
120	350	22 x 30	0.14	1.55	1.07	0.62	16	EYH07LV312O02
120	350	25 x 25	0.14	1.55	1.07	0.64	18	EYH07AU312O02
120	350	30 x 20	0.14	1.55	1.07	0.65	20	EYH07BW312O02
150	350	22 x 40	0.14	1.24	0.86	0.78	22	EYH07LB315O02
150	350	25 x 30	0.14	1.24	0.86	0.76	21	EYH07AV315O02
150	350	30 x 25	0.14	1.24	0.86	0.78	25	EYH07BU315O02
150	350	35 x 20	0.14	1.24	0.86	0.80	27	EYH07CW315O02
180	350	22 x 45	0.14	1.04	0.72	0.89	24	EYH07LC318O02
180	350	25 x 35	0.14	1.04	0.72	0.88	25	EYH07AA318O02
180	350	30 x 30	0.14	1.04	0.72	0.91	30	EYH07BV318O02
180	350	35 x 20	0.14	1.04	0.72	0.87	27	EYH07CW318O02
220	350	22 x 50	0.14	0.85	0.59	1.0	27	EYH07LD322O02
220	350	25 x 40	0.14	0.85	0.59	1.0	28	EYH07AB322O02
220	350	30 x 30	0.14	0.85	0.59	1.0	30	EYH07BV322O02
220	350	35 x 25	0.14	0.85	0.59	1.0	34	EYH07CU322O02
270	350	25 x 45	0.14	0.69	0.48	1.2	31	EYH07AC327O02
270	350	30 x 35	0.14	0.69	0.48	1.2	35	EYH07BA327O02
270	350	35 x 30	0.14	0.69	0.48	1.2	41	EYH07CV327O02
330	350	30 x 40	0.14	0.57	0.39	1.4	40	EYH07BB333O02
330	350	35 x 35	0.14	0.57	0.39	1.4	48	EYH07CA333O02
390	350	30 x 45	0.14	0.48	0.33	1.5	45	EYH07BC339O02
390	350	35 x 40	0.14	0.48	0.33	1.6	55	EYH07CB339O02
470	350	35 x 45	0.14	0.40	0.28	1.8	62	EYH07CC347O02
560	350	35 x 50	0.14	0.34	0.23	2.1	68	EYH07CD356O02
560	350	40 x 40	0.14	0.34	0.23	2.0	72	EYH07DB356O02
680	350	40 x 50	0.14	0.28	0.19	2.4	89	EYH07DD368O02
56	400	22 x 20	0.14	3.32	2.29	0.37	11	EYH07LW256X02
68	400	22 x 25	0.14	2.74	1.89	0.44	14	EYH07LU268X02
68	400	25 x 20	0.14	2.74	1.89	0.45	14	EYH07AW268X02
82	400	22 x 30	0.14	2.27	1.57	0.51	16	EYH07LV282X02
82	400	25 x 25	0.14	2.27	1.57	0.53	18	EYH07AU282X02
82	400	30 x 20	0.14	2.27	1.57	0.54	20	EYH07BW282X02
100	400	22 x 35	0.14	1.86	1.29	0.60	19	EYH07LA310X02
100	400	25 x 30	0.14	1.86	1.29	0.62	21	EYH07AV310X02
100	400	30 x 20	0.14	1.86	1.29	0.60	20	EYH07BW310X02
120	400	22 x 40	0.14	1.55	1.07	0.68	22	EYH07LB312X02
120	400	25 x 30	0.14	1.55	1.07	0.68	21	EYH07AV312X02
120	400	30 x 25	0.14	1.55	1.07	0.70	25	EYH07BU312X02
120	400	35 x 20	0.14	1.55	1.07	0.71	27	EYH07CW312X02
150	400	22 x 45	0.14	1.24	0.86	0.81	24	EYH07LC315X02
150	400	25 x 35	0.14	1.24	0.86	0.81	25	EYH07AA315X02
150	400	30 x 30	0.14	1.24	0.86	0.83	30	EYH07BV315X02
150	400	35 x 20	0.14	1.24	0.86	0.80	27	EYH07CW315X02
180	400	22 x 50	0.14	1.04	0.72	0.93	27	EYH07LD318X02
180	400	25 x 40	0.14	1.04	0.72	0.93	28	EYH07AB318X02
180	400	30 x 30	0.14	1.04	0.72	0.91	30	EYH07BV318X02
180	400	35 x 25	0.14	1.04	0.72	0.93	34	EYH07CU318X02
220	400	25 x 45	0.14	0.85	0.59	1.1	31	EYH07AC322X02
220	400	30 x 35	0.14	0.85	0.59	1.1	35	EYH07BA322X02
220	400	35 x 30	0.14	0.85	0.59	1.1	41	EYH07CV322X02
270	400	25 x 50	0.14	0.69	0.48	1.2	35	EYH07AD327X02
270	400	30 x 40	0.14	0.69	0.48	1.2	40	EYH07BB327X02
270	400	35 x 30	0.14	0.69	0.48	1.2	41	EYH07CV327X02
330	400	30 x 45	0.14	0.57	0.39	1.4	45	EYH07BC333X02
330	400	35 x 35	0.14	0.57	0.39	1.4	48	EYH07CA333X02
390	400	30 x 50	0.14	0.48	0.33	1.6	50	EYH07BD339X02
390	400	35 x 40	0.14	0.48	0.33	1.6	55	EYH07CB339X02
470	400	35 x 45	0.14	0.40	0.28	1.8	62	EYH07CC347X02
470	400	40 x 40	0.14	0.40	0.28	1.9	72	EYH07DB347X02
560	400	35 x 50	0.14	0.34	0.23	2.1	68	EYH07CD356X02

ELECTRICAL CHARACTERISTICS, WEIGHT AND ORDERING CODE

C_R 120 Hz [µF]	RATED VOLTAGE U_R [V]	DIMENSION D x L [mm]	TAN δ 120 Hz MAX.	R_{ESR} 120 Hz MAX. [Ω]	Z 10 kHz MAX. [Ω]	I_R 120 Hz 105°C [A]	WEIGHT [g]	ORDERING NO.
560	400	40 x 50	0.14	0.34	0.23	2.2	89	EYH07DD356X02
680	400	40 x 60	0.14	0.28	0.19	2.6	107	EYH07DF368X02
47	450	22 x 20	0.17	4.80	3.69	0.25	11	EYH07LW247P02
56	450	22 x 25	0.17	4.03	3.10	0.29	14	EYH07LU256P02
56	450	25 x 20	0.17	4.03	3.10	0.30	14	EYH07AW256P02
68	450	22 x 30	0.17	3.32	2.55	0.34	16	EYH07LV268P02
68	450	25 x 25	0.17	3.32	2.55	0.35	18	EYH07AU268P02
68	450	30 x 20	0.17	3.32	2.55	0.36	20	EYH07BW268P02
82	450	22 x 35	0.17	2.75	2.12	0.40	19	EYH07LA282P02
82	450	25 x 30	0.17	2.75	2.12	0.41	21	EYH07AV282P02
82	450	30 x 20	0.17	2.75	2.12	0.40	20	EYH07BW282P02
100	450	22 x 40	0.17	2.26	1.74	0.47	22	EYH07LB310P02
100	450	25 x 30	0.17	2.26	1.74	0.46	21	EYH07AV310P02
100	450	30 x 25	0.17	2.26	1.74	0.47	25	EYH07BU310P02
100	450	35 x 20	0.17	2.26	1.74	0.48	27	EYH07CW310P02
120	450	22 x 45	0.17	1.88	1.45	0.53	24	EYH07LC312P02
120	450	25 x 35	0.17	1.88	1.45	0.53	25	EYH07AA312P02
120	450	30 x 30	0.17	1.88	1.45	0.55	30	EYH07BV312P02
120	450	35 x 25	0.17	1.88	1.45	0.56	34	EYH07CU312P02
150	450	22 x 50	0.17	1.51	1.16	0.62	27	EYH07LD315P02
150	450	25 x 40	0.17	1.51	1.16	0.62	28	EYH07AB315P02
150	450	30 x 30	0.17	1.51	1.16	0.61	30	EYH07BV315P02
150	450	35 x 25	0.17	1.51	1.16	0.62	34	EYH07CU315P02
180	450	25 x 45	0.17	1.26	0.97	0.71	31	EYH07AC318P02
180	450	30 x 35	0.17	1.26	0.97	0.70	35	EYH07BA318P02
180	450	35 x 30	0.17	1.26	0.97	0.78	41	EYH07CV318P02
220	450	25 x 50	0.17	1.03	0.79	0.82	35	EYH07AD322P02
220	450	30 x 40	0.17	1.03	0.79	0.82	40	EYH07BB322P02
220	450	35 x 30	0.17	1.03	0.79	0.80	41	EYH07CV322P02
270	450	30 x 45	0.17	0.84	0.65	0.95	45	EYH07BC327P02
270	450	35 x 35	0.17	0.84	0.65	0.93	48	EYH07CA327P02
330	450	30 x 50	0.17	0.69	0.53	1.1	50	EYH07BD333P02
330	450	35 x 40	0.17	0.69	0.53	1.1	55	EYH07CB333P02
390	450	35 x 45	0.17	0.58	0.45	1.2	62	EYH07CC339P02
470	450	35 x 50	0.17	0.48	0.37	1.4	68	EYH07CD347P02
470	450	40 x 40	0.17	0.48	0.37	1.4	72	EYH07DB347P02
560	450	40 x 50	0.17	0.41	0.31	1.6	89	EYH07DD356P02

LEAKAGE CURRENT

Formula for the calculation of the maximum leakage current I_L for acceptance tests. Testing conditions: U_R, 20°C, 5 minutes.

$$I_{L\,(300S)}/\mu A \leq 3 \times \sqrt{(C_R/\mu F) \times (U_R/V)}$$

OPERATING LIFE TABLE

Interrelation between alternating current load, ambient temperature and useful life

$U_R \leq 100V$

Current ratio I / I_R (depending on frequency)							Multiplier L for useful life (depending on I/I_R and T_a)												
3.31	3.71	3.80	4.03	4.18	4.33	4.45	1.2	1.0											
3.13	3.51	3.60	3.82	3.96	4.10	4.21	1.8	1.4	1.1										
2.96	3.32	3.40	3.60	3.74	3.88	3.98	2.5	2.0	1.6	1.2	1.0								
2.78	3.12	3.20	3.39	3.52	3.65	3.74	3.7	2.9	2.2	1.7	1.3	1.0							
2.61	2.93	3.00	3.18	3.30	3.42	3.51	5.3	4.1	3.1	2.4	1.8	1.4	1.1						
2.44	2.73	2.80	2.97	3.08	3.19	3.28	7.5	5.7	4.3	3.3	2.5	1.9	1.4	1.1					
2.26	2.54	2.60	2.76	2.86	2.96	3.04	11	7.9	5.9	4.4	3.3	2.5	1.9	1.4	1.1				
2.09	2.34	2.40	2.54	2.64	2.74	2.81	15	11	8.1	6.0	4.4	3.3	2.4	1.8	1.4	1.0			
1.91	2.15	2.20	2.33	2.42	2.51	2.57	20	15	11	7.9	5.8	4.3	3.1	2.3	1.7	1.3			
1.74	1.95	2.00	2.12	2.20	2.28	2.34	28	20	15	10	7.6	5.5	4.0	2.9	2.1	1.6	1.2		
1.57	1.76	1.80	1.91	1.98	2.05	2.11	38	27	19	14	9.7	6.9	5.0	3.6	2.6	1.9	1.4	1.0	
1.39	1.56	1.60	1.70	1.76	1.82	1.87	51	35	25	17	12	8.6	6.1	4.4	3.2	2.3	1.7	1.2	
1.22	1.37	1.40	1.48	1.54	1.60	1.64	67	46	31	22	15	11	7.4	5.3	3.8	2.7	2.0	1.4	1.05
1.04	1.17	1.20	1.27	1.32	1.37	1.40	86	58	39	27	18	13	8.9	6.2	4.4	3.2	2.3	1.6	1.20
0.87	0.98	**1.00**	1.06	1.10	1.14	1.17	108	72	48	32	22	15	10	7.2	5.1	3.6	2.6	1.9	1.36	**1.00**
0.70	0.78	0.80	0.85	0.88	0.91	0.94	132	86	57	38	25	17	12	8.2	5.8	4.1	2.9	2.1	1.50	1.09
0.52	0.59	0.60	0.64	0.66	0.68	0.70	157	101	66	43	29	19	13	9.1	6.3	4.5	3.2	2.3	1.63	1.18
0.35	0.39	0.40	0.42	0.44	0.46	0.47	177	113	74	48	32	21	14	9.9	6.9	4.8	3.4	2.4	1.73	1.25
0.17	0.20	0.20	0.21	0.22	0.23	0.23	194	123	79	51	34	23	15	10	7.2	5.0	3.5	2.5	1.81	1.31
0	0	0	0	0	0	0	200	127	81	53	35	23	16	11	7.4	5.1	3.6	2.6	1.84	1.33
50	100	**120**	250	500	1000	>2500	40	45	50	55	60	65	70	75	80	85	90	95	100	**105**
Frequency [Hz]							**Ambient temperature T_a [°C]**												

U_R > 100V

Current ratio I / I_R (depending on frequency)							Multiplier L for useful life (depending on I/I_R and T_a)												
3.15	3.69	3.80	4.22	4.56	4.83	5.09	1.2	1.0											
2.99	3.49	3.60	4.00	4.32	4.57	4.82	1.7	1.4	1.1										
2.82	3.30	3.40	3.77	4.08	4.32	4.56	2.5	2.0	1.6	1.2	1.0								
2.66	3.10	3.20	3.55	3.84	4.06	4.29	3.5	2.8	2.2	1.7	1.3	1.0							
2.49	2.91	3.00	3.33	3.60	3.81	4.02	5.0	3.9	3.0	2.4	1.8	1.4	1.1						
2.32	2.72	2.80	3.11	3.36	3.56	3.75	7.0	5.4	4.2	3.2	2.4	1.9	1.4	1.1					
2.16	2.52	2.60	2.89	3.12	3.30	3.48	9.8	7.5	5.7	4.3	3.3	2.5	1.9	1.4	1.1				
1.99	2.33	2.40	2.66	2.88	3.05	3.22	14	10	7.7	5.8	4.3	3.2	2.4	1.8	1.4	1.0			
1.83	2.13	2.20	2.44	2.64	2.79	2.95	19	14	10	7.7	5.7	4.2	3.1	2.3	1.7	1.3			
1.66	1.94	2.00	2.22	2.40	2.54	2.68	26	19	14	10	7.4	5.4	3.9	2.9	2.1	1.6	1.2		
1.49	1.75	1.80	2.00	2.16	2.29	2.41	35	25	18	13	9.5	6.8	4.9	3.6	2.6	1.9	1.4	1.0	
1.33	1.55	1.60	1.78	1.92	2.03	2.14	46	33	24	17	12	8.5	6.1	4.4	3.2	2.3	1.7	1.2	
1.16	1.36	1.40	1.55	1.68	1.78	1.88	61	43	30	21	15	10	7.4	5.3	3.8	2.7	2.0	1.4	1.05
1.00	1.16	1.20	1.33	1.44	1.52	1.61	80	55	38	26	18	13	8.8	6.2	4.4	3.2	2.3	1.6	1.21
0.83	0.97	**1.00**	1.11	1.20	1.27	1.34	101	69	46	32	22	15	10	7.2	5.1	3.6	2.6	1.9	1.36	**1.00**
0.66	0.78	0.80	0.89	0.96	1.02	1.07	126	83	55	37	25	17	12	8.2	5.7	4.1	2.9	2.1	1.50	1.10
0.50	0.58	0.60	0.67	0.72	0.76	0.80	151	98	65	43	29	19	13	9.1	6.3	4.5	3.2	2.3	1.63	1.18
0.33	0.39	0.40	0.44	0.48	0.51	0.54	174	112	73	48	32	21	14	9.9	6.8	4.8	3.4	2.4	1.73	1.25
0.17	0.19	0.20	0.22	0.24	0.25	0.27	193	123	79	51	34	23	15	10	7.2	5.0	3.5	2.5	1.81	1.31
0	0	0	0	0	0	0	200	127	81	53	35	23	16	11	7.4	5.1	3.6	2.6	1.84	1.33
50	100	**120**	250	500	1000	>2500	40	45	50	55	60	65	70	75	80	85	90	95	100	**105**
Frequency [Hz]							**Ambient temperature T_a [°C]**												

I_R [A] Rated ripple current (120 Hz, rms) at upper category temperature, taken from data sheet

I [A] User ripple current

T_a [°C] Ambient temperature of capacitor

L Useful life multiplier

Regard L as a function of ambient temperature (x-axis) and of current (y-axis); use the current-axis according to the frequency.

Specifications are subject to change without notice.

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