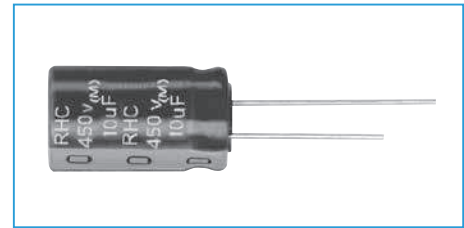
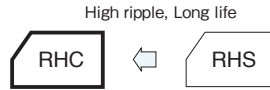


105°C Use, Miniature, High-Ripple, Long Life Capacitors

GREEN CAP 105°C 10000hours

- Higher ripple current.
- Guarantees 5000 to 10000 hours at 105°C.
- Best-suited to electronic ballast.



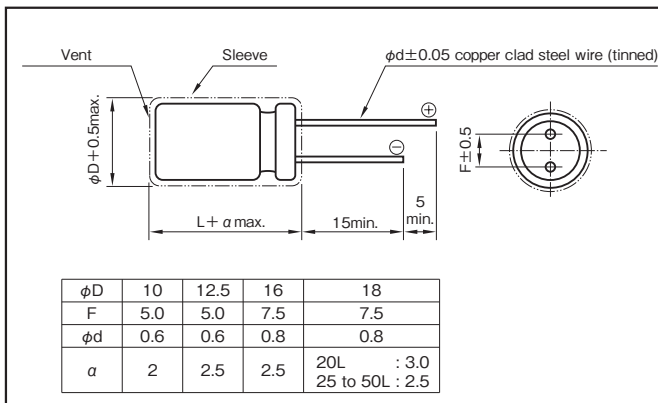
Marking color : White print on a black sleeve

Specifications

Item	Performance		
Category temperature range (°C)	-25 to +105		
Rated Voltage (V)	160 to 450		
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)		
Leakage current (µA)	Less than 0.04CV + 100 (after 1 minutes) C : Rated capacitance (µF), V : Rated voltage (V) (20°C)		
Tangent of loss angle (tanδ)	Rated voltage (V)	160 to 250	350 to 450
	Tangent of loss angle	0.10 (0.15*)	0.12 (0.20*)
* The black circles in the capacitance column correspond. (20°C, 120Hz)			
Characteristics at high and low temperature	Rated voltage (V)	160 to 250	350 to 450
	Impedance ratio Z-25°C/Z+20°C	3	6
(120Hz)			
Endurance (105°C) (Applied ripple current)	Test time	φ10×12.5L : 5000 hours φ10×16L to 25L : 8000 hours φ10×30L, φ12.5 to φ18 : 10000 hours	
	Leakage current	The initial specific value or less	
	Capacitance change	Within -30% to +30% of initial value	
	Tangent of loss angle	300% or less of the initial specified value	
Shelf life (105°C)	Test time	1000 hours	
	Leakage current	The initial specific value or less	
	Capacitance change	Within -20% to +20% of initial value	
	Tangent of loss angle	200% or less of the initial specified value	
Voltage application treatment			
Applicable standards	JIS C 5101-01, -04 1998 (IEC 60384-1 1992, 60384-4 1985)		

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated Capacitance (µF)	Frequency (Hz)			
	120	1k	10k	100k
1 to 5.6	0.20	0.40	0.80	1
6.8 to 18	0.30	0.60	0.90	1
22 to 82	0.40	0.70	0.90	1
100 to 680	0.45	0.75	0.90	1

Part numbering system (example : 400V10µF)

RHC	—	400 V	100	M	H5 #	B	—	□
Series code		Rated voltage symbol	Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Optional symbol		Taping(Forming) symbol

NOTE : Design, Specifications are subject to change without notice. It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.

Standard Ratings

Rated voltage(V)			160			200			250			350				
Case φD × L (mm)	Casing symbol	Item	Rated capacitance (μF)	ESR (Ω max.)	Rated ripple current (mArms)	Rated capacitance (μF)	ESR (Ω max.)	Rated ripple current (mArms)	Rated capacitance (μF)	ESR (Ω max.)	Rated ripple current (mArms)	Rated capacitance (μF)	ESR (Ω max.)	Rated ripple current (mArms)		
10 × 12.5	H3	● 27	7.4	350	4.7	28	200	● 8.2	24	300	1.5	106	100			
					● 12	17	340				2.2	72	140			
10 × 16	H4	● 39	5.1	600	6.8	20	220	● 22	9.0	450	3.3	48	180			
					● 27	7.4	500				4.7	34	220			
					10	13	320				5.6	28	250			
10 × 20	H5	● 47	2.8	750	22	6.0	500	● 33	6.0	525	6.8	23	280			
					22	6.0	500				10	16	350			
					33	4.0	650				● 15	18	465			
10 × 25	H6	● 68	2.9	910	● 56	3.6	860	● 39	5.1	660	● 22	12	525			
					33	4.0	720				● 27	9.8	585			
10 × 30	H7	● 82	2.4	1110	● 68	2.9	1010	● 47	4.2	775	● 27	9.8	585			
					68	2.0	1180				● 27	9.8	700			
12.5 × 20	I5	● 100	2.0	1275	● 68	2.9	1120	● 100	2.0	1465	● 27	9.8	700			
					100	1.3	1420				● 39	6.8	825			
12.5 × 25	I6	● 120	1.7	1500	● 100	2.0	1375	● 68	2.9	1260	● 39	6.8	825			
					120	1.1	1500				● 82	2.4	1410	● 56	4.7	1050
12.5 × 30	I7	● 150	1.3	1700	● 120	1.7	1540	● 100	2.0	1465	● 68	3.9	1210			
					● 180	1.1	1965				● 82	3.2	1375			
12.5 × 35	I8	● 180	0.9	2310	● 180	1.1	2120	● 120	1.7	1710	● 82	3.2	1375			
					● 220	0.9	2310				● 82	3.2	1375			
16 × 20	J5	● 180	1.1	1900	68	2.0	1300	● 82	2.4	1410	● 68	3.9	1210			
					100	1.3	1420				● 82	2.4	1410	● 47	5.6	1080
					● 180	1.1	1900				● 100	2.0	1420	● 47	5.6	1080
16 × 25	J6	● 220	0.9	2265	● 150	1.3	1890	● 120	1.7	1675	● 68	3.9	1400			
					150	0.9	1890				● 150	1.3	1890	● 68	3.9	1400
16 × 31.5	J7	● 330	0.6	3000	● 180	1.1	2200	● 150	1.3	1740	● 82	3.2	1560			
					● 220	0.9	2420				● 150	1.3	1740	● 82	3.2	1560
16 × 35.5	J8	● 390	0.5	3330	● 270	0.7	2710	● 180	1.1	2210	● 100	2.7	1640			
16 × 40	J9	● 470	0.4	3775	● 330	0.6	3120	● 220	0.9	2530	● 120	2.2	1830			
18 × 20	K5	● 180	1.1	1900	—	—	—	● 100	2.0	1530	● 68	3.9	1375			
					220	0.6	2370				● 150	1.3	1940	● 68	3.9	1375
18 × 25	K6	● 270	0.7	2510	● 220	0.9	2380	● 150	1.3	1940	● 82	3.2	1510			
					● 270	0.7	2510				● 100	2.7	1650			
18 × 31.5	K7	● 330	0.6	2865	● 270	0.7	2750	● 220	0.9	2200	● 120	2.2	1760			
					● 330	0.6	2865				● 150	1.8	2085			
18 × 35.5	K8	● 470	0.4	3810	● 330	0.6	3100	● 270	0.7	2460	● 150	1.8	2085			
18 × 40	K9	● 560	0.4	4230	● 390	0.5	3275	● 330	0.6	2660	● 180	1.5	2265			
18 × 45	KA	● 680	0.3	4365	● 470	0.4	3475	—	—	—	● 220	1.2	2530			
18 × 50	KB	—	—	—	● 560	0.4	3900	● 390	0.5	3555	—	—	—			

ALUMINUM

MINIATURE ALUMINUM

105°C

Rated voltage(V)			400			450		
Case φD × L (mm)	Casing symbol	Item	Rated capacitance (μF)	ESR (Ω max.)	Rated ripple current (mArms)	Rated capacitance (μF)	ESR (Ω max.)	Rated ripple current (mArms)
10 × 12.5	H3	● 3.3	1	159	70	● 3.9	68	200
			1.5	106	100			
			2.2	72	140			
			3.3	80	160			
10 × 16	H4	● 10	3.3	48	180	2.2	72	150
			4.7	34	220	3.3	48	180
			● 10	27	315	● 6.8	39	280
10 × 20	H5	● 15	5.6	28	250	4.7	34	220
			6.8	23	280	5.6	28	250
			10	16	350	6.8	23	280
			● 15	18	420	● 10	27	330
10 × 25	H6	● 18	15	445	● 15	18	500	
10 × 30	H7	● 22	12	525	● 22	12	535	
12.5 × 20	I5	● 22	15	11	550	10	16	450
			● 22	12	650	● 18	15	525
12.5 × 25	I6	● 27	22	7.2	760	15	11	600
			● 27	9.8	760	● 27	9.8	635
12.5 × 30	I7	● 47	33	4.8	720	● 33	8.0	725
			● 47	5.6	920	● 33	8.0	725
12.5 × 35	I8	● 56	47	3.4	960	● 33	8.0	800
			● 56	4.7	1260	● 39	6.8	850
12.5 × 40	I9	—	—	—	● 47	5.6	1010	
16 × 20	J5	● 33	22	7.2	760	22	7.2	730
			● 33	8.0	900	● 27	9.8	775
16 × 25	J6	● 47	5.6	1180	33	4.8	980	
					● 39	6.8	935	
16 × 31.5	J7	● 68	3.9	1350	● 56	4.7	1125	
16 × 35.5	J8	● 100	2.7	1550	● 68	3.9	1250	
16 × 40	J9	● 120	2.2	1740	● 82	3.2	1650	
18 × 20	K5	● 56	4.7	1350	● 39	6.8	935	
18 × 25	K6	● 68	3.9	1470	47	3.4	1200	
					● 68	3.9	1470	● 68
18 × 31.5	K7	● 100	2.2	1720	● 82	3.2	1360	
					● 120	2.2	1760	● 100
18 × 35.5	K8	● 120	2.2	1945	● 120	2.2	1865	
					● 150	1.8	1930	● 120
18 × 45	KA	● 150	1.8	2215	—	—	—	
18 × 50	KB	—	—	—	● 150	1.8	2040	

(Note) Rated ripple current : 105°C , 100kHz ; ESR. : 20°C , 120Hz

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.