

Chip type, 105°C Use, Long Life, High CV Capacitors

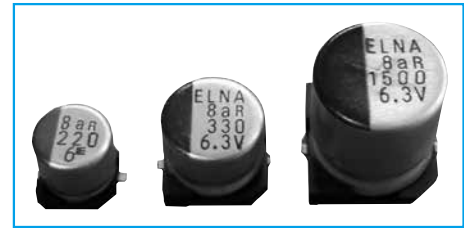
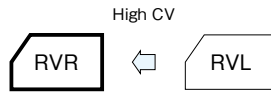
GREEN CAP

SMD

105°C
2000hours

Anti-cleaning solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 2000 hours 105°C.



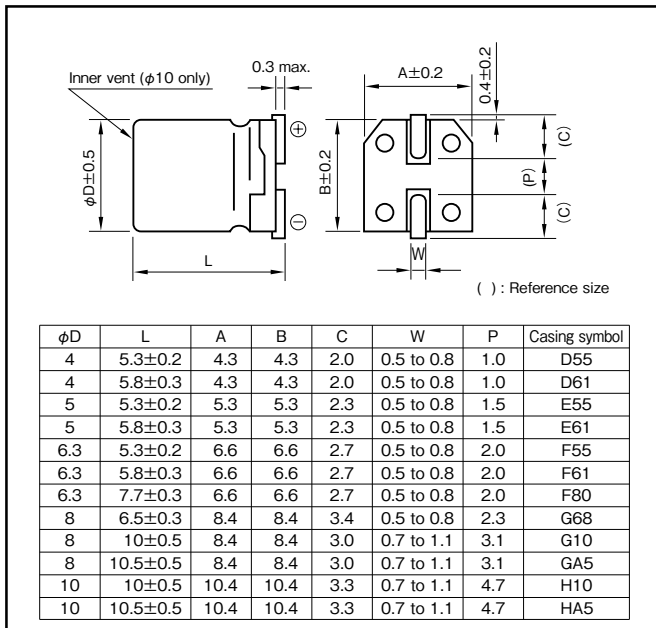
Marking color : Black print

Specifications

Item	Performance								
Category temperature range (°C)	-40 to +105								
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)								
Leakage current (µA)	Less than 0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (µF), V : Rated voltage (V) (20°C)								
Tangent of loss angle (tanδ)	Rated voltage (V)	4	6.3	10	16	25	35	50	
	tanδ (max.)	0.50	0.30	0.22	0.16	0.14	0.12	0.12	
Characteristics at high and low temperature	Impedance ratio (max.)	Rated voltage (V)	4	6.3	10	16	25	35	50
		Z-25°C/Z+20°C	7	4	3	2	2	2	2
		Z-40°C/Z+20°C	15	8	6	4	4	3	3
Endurance (105°C)	Test time	2000 hours							
	Leakage current	The initial specified value or less							
	Percentage of capacitance change	Within ±20% of initial value (φ5 or Smaller & 16V or less: ±30%)							
	Tangent of loss angle	200% or less of the initial specified value							
Shelf life (105°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4								
Applicable standards	JIS C5101-1 1998, -18 1999(IEC 60384-1 1992, -18 1993)								

Outline Drawing

Unit : mm



- Soldering conditions are described on page 15.
- Land pattern size are described on page 13.
- The taping specifications are described on page 16.

Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	50 - 60	120	1k	10k · 100k
Rated voltage (V)				
6.3 to 16	0.80	1	1.15	1.25
25 to 35	0.80	1	1.25	1.40
50	0.50	1	1.35	1.50

Part numbering system (example : 16V100µF)

RVR	—	16	V	101	M	F61	U	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Taping symbol

Standard Ratings

Rated voltage(V) Rated capacitance(μF)	Item	4			6.3			10			16			25		
		Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)
4.7		-	-	-	-	-	-	-	-	-	-	-	4×5.3	D55	22	
6.8		-	-	-	-	-	-	-	-	-	-	-	4×5.3	D55	25	
10		-	-	-	-	-	-	-	-	-	-	4×5.3	D55	25		
22		-	-	-	4×5.3	D55	26	4×5.8	D61	33	4×5.8	D61	27	4×5.8	D61	36
					4×5.8	D61	28				4×5.8	D61	39			
33		-	-	-	5×5.8	E61	40	6.3×5.8	F61	74	5×5.3	E55	39	5×5.8	E61	48
											5×5.8	E61	46			
47	4×5.8	D61	42	4×5.8	D61	42	6.3×5.8	F61	74	6.3×5.8	F61	66	6.3×5.8	F61	82	
				5×5.3	E55	46				5×5.8	E61	66				
100	5×5.8	E61	70	5×5.8	E61	70	6.3×5.8	F61	95	6.3×5.8	F61	78	6.3×7.7	F80	132	
				6.3×5.3	F55	71				6.3×5.8	F61	112				8×6.5
150		-	-	-	-	-	6.3×5.8	F61	117	8×6.5	G68	151	-	-	-	
220	6.3×5.8	F61	121	6.3×5.8	F61	121	6.3×7.7	F80	156	6.3×7.7	F80	183	8×10	G10	320	
							8×6.5	G68	173	8×6.5	G68	157				8×10.5
330	6.3×7.7	F80	163	6.3×7.7	F80	163	8×10	G10	296	8×10	G10	291	8×10.5	GA5	340	
							8×6.5	G68	181							8×10.5
470	-	-	-	8×10	G10	320	8×10	G10	326	8×10	G10	348	10×10.5	HA5	490	
				8×10.5	GA5	320	8×10.5	GA5	326	8×10.5	GA5	348				
680		-	-	-	8×10.5	GA5	340	10×10	H10	440	10×10	H10	484	-	-	-
820		-	-	-	-	-	-	-	-	-	10×10.5	HA5	484	-	-	-
1000	-	-	-	8×10.5	GA5	370	10×10.5	HA5	500	-	-	-	-	-	-	-
				10×10	H10	495										
1200		-	-	-	-	-	10×10.5	HA5	500	-	-	-	-	-	-	-
1500		-	-	-	10×10.5	HA5	550	-	-	-	-	-	-	-	-	-

ALUMINUM

CHIP

ALUMINUM

105°C

Rated voltage(V) Rated capacitance(μF)	Item	35			50		
		Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)	Case φD×L (mm)	Casing symbol	Rated ripple current (mArms)
0.22		-	-	-	4×5.3	D55	2
0.33		-	-	-	4×5.3	D55	3
0.47		-	-	-	4×5.3	D55	5
1		-	-	-	4×5.3	D55	10
					4×5.8	D61	12
2.2		-	-	-	4×5.3	D55	16
					4×5.8	D61	19
3.3		-	-	-	4×5.3	D55	16
					4×5.8	D61	22
4.7	4×5.8	D61	23	4×5.8	D61	26	
				5×5.3	E55	23	
6.8	-	-	-	5×5.8	E61	29	
				5×5.3	E55	23	
10	4×5.8	D61	30	5×5.8	E61	35	
				5×5.3	E55	28	6.3×5.3
22	5×5.8	E61	52	6.3×5.8	F61	47	
				6.3×5.3	F55	55	6.3×5.8
33	6.3×5.8	F61	74	6.3×7.7	F80	82	
				8×6.5	G68	91	
47	6.3×5.8	F61	89	6.3×7.7	F80	97	
				8×6.5	G68	108	
68	6.3×7.7	F80	117	-	-	-	
				8×6.5	G68	130	-
100	6.3×7.7	F80	142	8×10.5	GA5	230	
							8×6.5
150	8×10	G10	283	10×10.5	HA5	262	
							8×10.5
220	8×10	G10	293	10×10.5	HA5	300	
							8×10.5
330	8×10.5	GA5	302	10×10.5	HA5	375	
							10×10

(Note) Rated ripple current : 105° 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.