

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

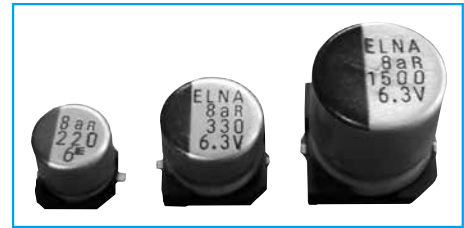
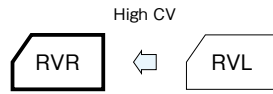
GREEN CAP

SMD

105°C
2000hours

Anti-cleaning solvent

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



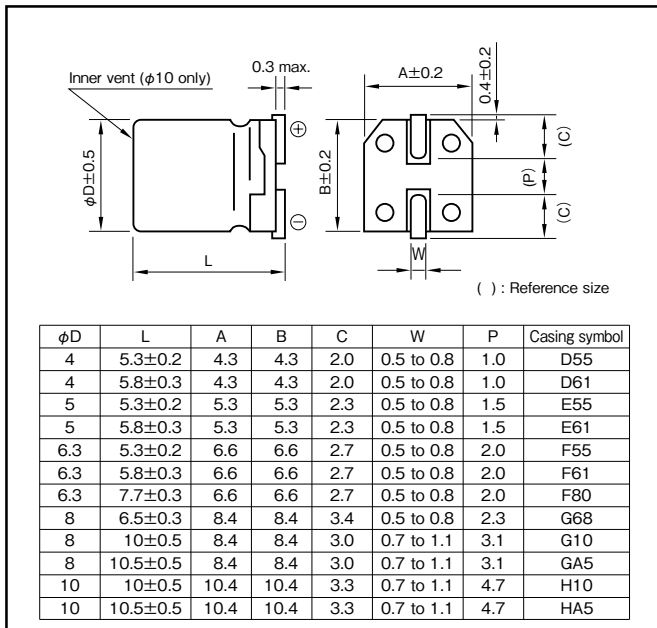
Marking color : Black print

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.)	Z-25°C/Z+20°C	7	4	3	2	2	2
		Z-40°C/Z+20°C	15	8	6	4	4	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



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

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

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	6.3×5.8	F61	82					
											5×5.8	E61	46				5×5.8	E61	46		
											5×5.8	E61	42				5×5.8	E61	66		
											5×5.3	E55	46				6.3×5.3	F55	70		
47	4×5.8	D61	42	4×5.8	D61	42	6.3×5.8	F61	74	6.3×5.8	F61	78	6.3×5.8	F61	82						
																5×5.8	E61	48	6.3×5.3	F55	70
																5×5.8	E61	70	6.3×5.8	F61	95
100	5×5.8	E61	70	5×5.8	E61	70	6.3×5.8	F61	95	6.3×5.8	F61	112	6.3×7.7	F80	132						
				6.3×5.3	F55	71							8×6.5	G68	146						
				6.3×5.8	F61	99							-	-	-						
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	GA5	320						
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	8×6.5	G68	181	8×10.5	GA5	296	8×10	G10	348	8×10.5	GA5	348						
470		-	-	-	-	-	8×10	G10	320	8×10	G10	348	10×10.5	HA5	490						
680					8×10.5	GA5	340	10×10	H10	440	10×10	H10	484	-	-	-					
								10×10.5	HA5	440	10×10.5	HA5	484	-	-	-					
820		-	-	-	-	-	-	-	-	10×10.5	HA5	484	-	-	-						
1000					8×10.5	GA5	370	10×10.5	HA5	500	-	-	-	-	-	-					
																	10×10	H10	495		
																	10×10.5	HA5	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	
				5×5.8	E61	29	
6.8		-	-	-	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	F55	35	
	5×5.8	E61	39	6.3×5.8	F61	47	
22	5×5.8	E61	52	6.3×5.8	F61	61	
	6.3×5.3	F55	55	-	-	-	
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	G68	158				
	8×10	G10	283	10×10.5	HA5	262	
	8×10.5	GA5	283				
150	8×10	G10	293	10×10.5	HA5	300	
	8×10.5	GA5	293				
220	8×10.5	GA5	302	10×10.5	HA5	375	
	10×10	H10	450				
330		-	-	-	-	-	

(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.