Not recommended items.

RV2 VERTICAL CHIP TYPE ALUMINUM ELECTROLYTIC CAPACITORS

ELNA®

ChipType Standard Capacitors (height:5.5mm)

GREEN CAP | SMD | Anti-cleaning solvent

- Compatible with surface mounting for 5.5mm high capacitors.
- Supplied with carrier taping.
- Guarantees 2000 hours at 85℃.

Convert to chip

RV2 ⇦ RC3

Marking color : Black print

Specifications

Item	Performance
Category temperature range (℃)	−40 to +85
Tolerance at rated capacitance (%)	±20 (20℃,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℃)

Tangent of loss angle (tanδ)

Rated voltage (V)		4	6.3	10	16	25	35	50
tanδ (max.)	φ3	0.42	0.30	0.24	0.22	0.16	0.14	0.12
	φ4 to φ6.3	0.42	0.28	0.24	0.20	0.14	0.12	0.10

(20℃,120Hz)

Characteristics at high and low temperature

Rated voltage(V)			4	6.3	10	16	25	35	50
Impedance ratio (max.)	φ3	Z−25℃/Z+20℃	7	4	3	2	2	2	2
		Z−40℃/Z+20℃	17	10	8	6	4	3	3
	φ4 to φ6.3	Z−25℃/Z+20℃	7	3	3	2	2	2	2
		Z−40℃/Z+20℃	15	8	5	4	3	3	3

(120Hz)

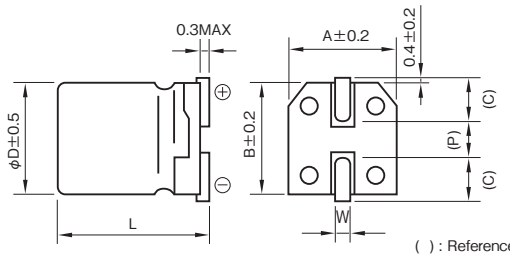
Endurance (85℃) (Applied ripple current)

Test time	2000 hours (φ3 : 1000 hours)
Leakage current	The initial specified value or less
Percentage of capacitance change	Within ±20% of initial value (4WV : ±30%)
Tangent of the loss angle	200% or less of the initial specified value (4WV : 300%)

Shelf life (85℃)	Test time : 1000hours ; other items are the same as those for the endurance. Voltage application treatment : According to JIS C5101-1
Applicable standards	JIS C5101-1, -18 (IEC 60384-1, -18)

Outline Drawing

Unit : mm



( ) : Reference size

φD	L	A	B	C	W	P	Casing symbol
3	5.3±0.2	3.3	3.3	1.5	0.45 to 0.75	0.8	B55
4	5.3±0.2	4.3	4.3	2.0	0.5 to 0.8	1.0	—
5	5.3±0.2	5.3	5.3	2.3	0.5 to 0.8	1.5	—
6.3	5.3±0.2	6.6	6.6	2.7	0.5 to 0.8	2.0	—

Coefficient of Frequency for Rated Ripple Current

Rated voltage (V) \ Frequency (Hz)	50・60	120	1k	10k・100k
4 to 16	0.80	1	1.15	1.25
25 to 35	0.80	1	1.25	1.40
50	0.80	1	1.35	1.50

Part numbering system

- φ3 (example : 16V10μF)

RV2 — 16 V 100 M B55 U — ⬚

Series code | Rated voltage symbol | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol | Taping symbol

- φ4 to φ6.3 (example : 16V47μF)

RV2 — 16 V 470 M ✱ U — ⬚

Series code | Rated voltage symbol | Rated capacitance symbol | Capacitance tolerance symbol | Additional symbol | Taping symbol

✱Should add "S", when there is a black point in standard ratings.

- Soldering conditions are described on page 13. • Land pattern size are described on page 11.
- The taping spesifications are described on page 14.

Standard Ratings

Rated capacitance (μF) \ Rated voltage (V) / Item	4				6.3				10				16				25				35				50			
	Case φD (mm)	Casing symbol	ESR (Ω)	Rated ripple current (mArms)	Case φD (mm)	Casing symbol	ESR (Ω)	Rated ripple current (mArms)	Case φD (mm)	Casing symbol	ESR (Ω)	Rated ripple current (mArms)	Case φD (mm)	Casing symbol	ESR (Ω)	Rated ripple current (mArms)	Case φD (mm)	Casing symbol	ESR (Ω)	Rated ripple current (mArms)	Case φD (mm)	Casing symbol	ESR (Ω)	Rated ripple current (mArms)	Case φD (mm)	Casing symbol	ESR (Ω)	Rated ripple current (mArms)
0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	1990	1
0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	905	2
																									4	—	754	5
0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	603	3
																									4	—	503	6
0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	424	4
																									4	—	353	7
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	199	6
																									4	—	166	10
2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	106	8	4	—	75	15
3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	70	9	4	—	50	19
4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	57	11	4	—	42	20	5	—	35	26
																	4	—	49	19								
10	—	—	—	—	—	—	—	—	4	—	40	23	3	B55	37	18	5	—	23	32	5	—	20	34	6.3	—	17	44
													4	—	33	26												
22	3	B55	32	14	4	—	21	31	5	—	18	39	5	—	15	44	6.3	—	11	55	6.3	—	9.1	59	—	—	—	—
33	4	—	21	31	5	—	14	44	5	—	12	48	6.3	—	10	63	6.3	—	7.0	67	—	—	—	—	—	—	—	—
47	4	—	15	37	5	—	10	52	6.3	—	8.5	67	6.3	—	7.1	75	—	—	—	—	—	—	—	—	—	—	—	—
100	5	—	7.0	63	6.3	—	5.0	89	6.3	—	4.0	98	•6.3	—	3.3	103	—	—	—	—	—	—	—	—	—	—	—	—
220	6.3	—	3.2	110	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 85℃, 120Hz ; ESR : 20℃, 120Hz

NOTE
Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.