

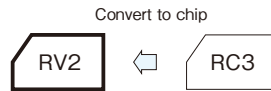
ChipType Standard Capacitors (height:5.5mm)

GREEN CAP

SMD

Anti-cleaning solvent

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

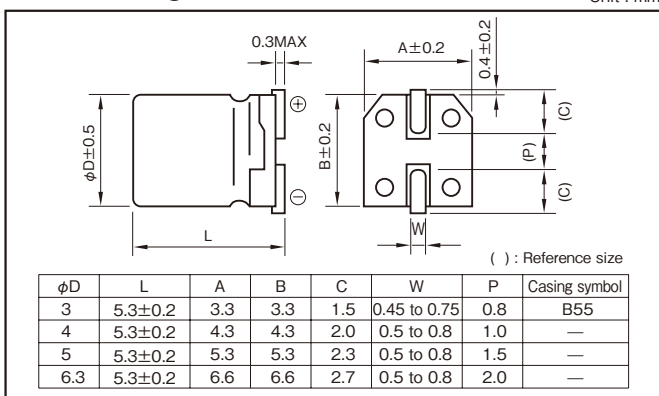


Marking color : Black print

Specifications

Item	Performance									
Category temperature range (°C)	-40 to +85									
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.)	φ3	Z-25°C/Z+20°C	0.42	0.30	0.24	0.22	0.16	0.14	0.12	
		Z-40°C/Z+20°C	0.42	0.28	0.24	0.20	0.14	0.12	0.10	
Characteristics at high and low temperature	Impedance ratio (max.)	φ3	Z-25°C/Z+20°C	7	4	3	2	2	2	
			Z-40°C/Z+20°C	17	10	8	6	4	3	3
		φ4 to φ6.3	Z-25°C/Z+20°C	7	3	3	2	2	2	2
			Z-40°C/Z+20°C	15	8	5	4	3	3	3
Endurance (85°C) (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°C)	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 1998, -18 1999 (IEC 60384-1 1992, -18 1993)									

Outline Drawing



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 Additional 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

- Soldering conditions are described on page 11. • Land pattern size are described on page 12.
- The taping specifications are described on page 13.

Standard Ratings

Rated capacitance (µF)	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	3	B55	32	14	4	—	21	31	5	—	18	39	4	—	33	26	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°C, 120Hz ; ESR : 20°C, 120Hz

NOTE

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