

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.



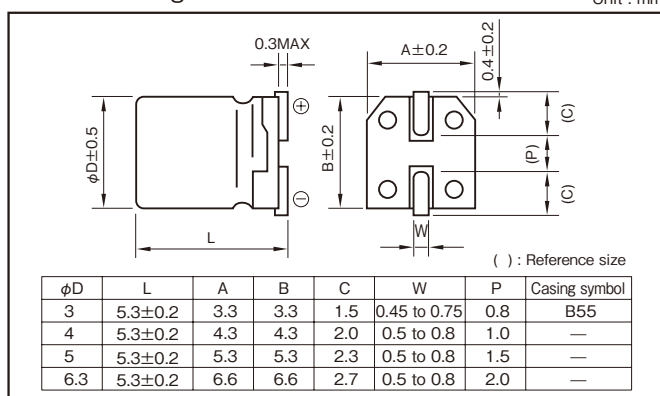
Marking color : Black print

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	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	
Characteristics at high and low temperature	Rated voltage(V)		4	6.3	10	16	25	35	50	
	Impedance ratio (max.)	φ3	Z-25°C/Z+20°C	7	4	3	2	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

Unit : mm



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 voltage (V)	Item	4				6.3				10				16				25				35				50			
		Case φD (mm)	Casing symbol	ESR Ω	Rated ripple current mA	Case φD (mm)	Casing symbol	ESR Ω	Rated ripple current mA	Case φD (mm)	Casing symbol	ESR Ω	Rated ripple current mA	Case φD (mm)	Casing symbol	ESR Ω	Rated ripple current mA	Case φD (mm)	Casing symbol	ESR Ω	Rated ripple current mA	Case φD (mm)	Casing symbol	ESR Ω	Rated ripple current mA	Case φD (mm)	Casing symbol	ESR Ω	Rated ripple current mA
0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	1990	1
0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	1660	3
0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	905	2
0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	754	5
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	603	3
2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	503	6
3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	424	4
4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	353	7
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	199	6
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	166	10
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	106	8
47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	75	15
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	70	9
220	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	50	19
4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	57	11
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	49	19
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	23	32
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.3	—	11	55
47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.3	—	7.0	67
100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.3	—	—	—
220	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.3	—	—	—

(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.