

Chip Type 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.

Convert to chip



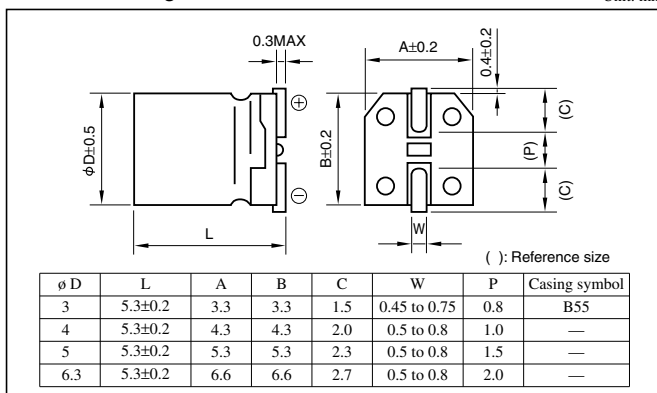
Marking color : Black print

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.)	ø 3	0.42	0.30	0.24	0.22	0.16	0.14	0.12	
		ø 4 to ø 6.3	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.)	ø 3	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
		ø 4 to ø 6.3	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
	(120Hz)									
Endurance (85°C) (Applied ripple current)	Test time		2000 hours (ø 3:1000 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 : 1000 hours; other items are the same as those for the endurance. Voltage application treatment : According to JIS C5101-1									
Applicable standards	JIS C5101-1, -18 1998 (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

- Land pattern size is described on page 10.
- The taping specifications are described on page 11.
- Soldering conditions are described on page 28.

Standard Ratings

Rated voltage (V)	4				6.3				10				16				25				35				50			
	Case	Casing	ESR	Rated ripple current	Case	Casing	ESR	Rated ripple current	Case	Casing	ESR	Rated ripple current	Case	Casing	ESR	Rated ripple current	Case	Casing	ESR	Rated ripple current	Case	Casing	ESR	Rated ripple current	Case	Casing	ESR	Rated ripple current
Rated capacitance (μF)	φ D(mm)	Symbol	Ω	mArms	φ D(mm)	Symbol	Ω	mArms	φ D(mm)	Symbol	Ω	mArms	φ D(mm)	Symbol	Ω	mArms	φ D(mm)	Symbol	Ω	mArms	φ D(mm)	Symbol	Ω	mArms	φ D(mm)	Symbol	Ω	mArms
0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	B55	1990	1
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	1660	3	
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°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.