

Chip Type, 105°C Use, Low Impedance Capacitors

GREEN CAP

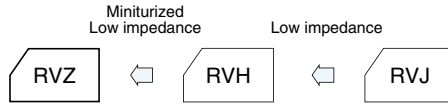
SMD

Low Impedance

105°C 2000hours

Anti-cleaning solvent

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



Marking color : Black print (ø4x5.3L – ø8x6.5L)
White print on a brown sleeve (ø8x10L · ø10x10L)

Specifications

Item	Performance					
Category temperature range (°C)	-55 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)	6.3	10	16	25	35
	tanδ (max.)	0.28	0.24	0.20	0.16	0.14
Characteristics at high and low temperature	Impedance ratio (max.)	Z-25°C / Z+20°C	4	3	2	2
		Z-55°C / Z+20°C	8	5	4	3
Endurance (105°C) (Applied ripple current)	Test time	2000 hours (8x6.5 or less: 1000 hours)				
	Leakage current	The initial specified value or less				
	Percentage of capacitance change	Within ±25% of initial value				
	Tangent of the loss angle	200% or less of the initial specified value				
Shelf life (105°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

φ D	L	A	B	C	W	P	Casing symbol
4	5.3±0.2	4.3	4.3	2.0	0.5 to 0.8	1.0	D55
4	5.8±0.3	4.3	4.3	2.0	0.5 to 0.8	1.0	D61
5	5.3±0.2	5.3	5.3	2.3	0.5 to 0.8	1.5	E55
5	5.8±0.3	5.3	5.3	2.3	0.5 to 0.8	1.5	E61
6.3	5.3±0.2	6.6	6.6	2.7	0.5 to 0.8	2.0	F55
6.3	5.8±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	F61
6.3	7.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	F80
8	6.5±0.3	8.4	8.4	3.4	0.5 to 0.8	2.3	G68
8	10±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	G10
8	10.5±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	GA5
10	10±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	H10
10	10.5±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	HA5

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

Coefficient of Frequency for Rated Ripple Current

Rated voltage(V) \ Frequency(Hz)	120	1k	10k	100k
6.3 to 35	0.5	0.75	0.9	1.0

Part numbering system (example: 6.3V1500µF)

RVZ	—	6	V	152	M	HA5	□	U	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol		Taping symbol

• The standard ratings are described on the next page.

Standard Ratings

Rated voltage (V)	Rated capacitance (μF)	Item	6.3				10				16				25				35					
			Case	Casing symbol	Impedance Ω	Rated ripple current mArms	Case	Casing symbol	Impedance Ω	Rated ripple current mArms	Case	Casing symbol	Impedance Ω	Rated ripple current mArms	Case	Casing symbol	Impedance Ω	Rated ripple current mArms	Case	Casing symbol	Impedance Ω	Rated ripple current mArms		
			∅ D(mm)				∅ D(mm)				∅ D(mm)				∅ D(mm)				∅ D(mm)					
4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	4x5.3	D55	3.20	65	4x5.3	D55	3.20	65	—	—	
10	—	—	—	—	4x5.3	D55	3.20	65	4x5.3	D55	3.20	65	4x5.8	D61	1.80	80	5x5.3	E55	1.50	110	5x5.8	E61	0.76	150
15	—	—	—	—	—	—	—	—	4x5.8	D61	1.80	80	5x5.8	E61	0.76	150	5x5.8	E61	0.76	150	—	—	—	—
22	4x5.3	D55	3.20	65	4x5.8	D61	1.80	80	5x5.3	E55	1.50	110	5x5.8	E61	0.76	150	6.3x5.3	F55	0.85	170	6.3x5.3	F55	0.85	170
33	5x5.3	E55	1.50	110	5x5.3	E55	1.50	110	6.3x5.3	F55	0.85	170	6.3x5.3	F55	0.85	170	6.3x5.3	F55	0.85	170	6.3x5.3	F55	0.85	170
47	5x5.3	E55	1.50	110	5x5.8	E61	0.76	150	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230
68	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x7.7	F80	0.34	280
100	6.3x5.3	F55	0.85	170	6.3x5.3	F55	0.85	170	6.3x5.3	F55	0.85	170	6.3x5.8	F61	0.44	230	6.3x7.7	F80	0.34	280	8x10	G10	0.20	450
150	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	6.3x7.7	F80	0.34	280	8x10	G10	0.20	450	8x10.5	GA5	0.17	450
220	6.3x5.8	F61	0.44	230	6.3x7.7	F80	0.34	280	6.3x7.7	F80	0.34	280	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450
330	6.3x7.7	F80	0.34	280	8x6.5	G68	0.34	280	8x10	G10	0.20	450	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450
470	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450	10x10.5	HA5	0.09	670	—	—	—	—
680	8x10.5	GA5	0.17	450	10x10.5	HA5	0.09	670	10x10.5	HA5	0.09	670	—	—	—	—	—	—	—	—	—	—	—	—
1000	8x10.5	GA5	0.17	450	10x10.5	HA5	0.09	670	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1500	10x10.5	HA5	0.09	670	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 105°C, 100kHz ; Impedance : 20°C, 100kHz