

## Chip Type, 105°C Use, Low Impedance Capacitors

GREEN CAP

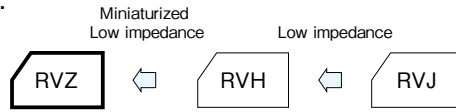
SMD

Low z

105°C  
2000hours

Anti-  
cleaning  
solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 2000 hours at 105°C.  
( $\phi 8 \times 6.5L$  or less : 1000hours)  
( $\phi 12.5 \times 13.5L$  : 5000hours)



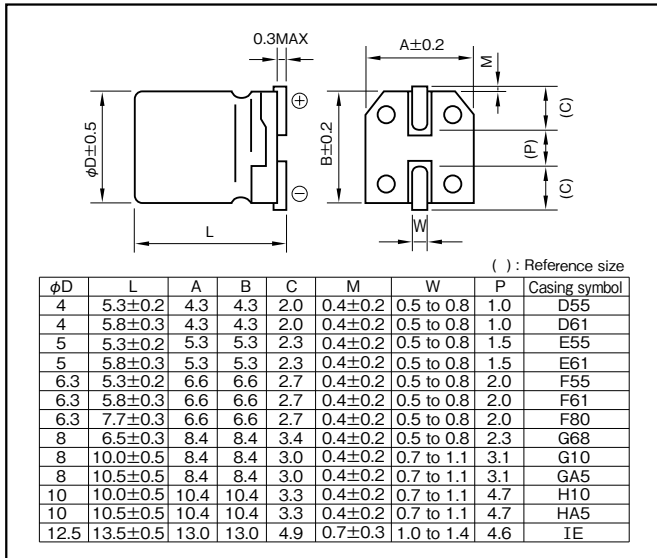
Marking color : Black print ( $\phi 4 \times 5.3L - \phi 8 \times 6.5L, \phi 12.5 \times 13.5L$ )  
: White print on a brown sleeve ( $\phi 8 \times 10L - \phi 10 \times 10.5L$ )

### 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	Rated voltage (V)	6.3	10	16	25	35	
	Impedance ratio (max.)	Z-25°C/Z+20°C	4	3	2	2	2
		Z-55°C/Z+20°C	8	5	4	3	3
0.02 is added to every 1000µF increase over 1000µF. (120Hz)							
Endurance (105°C) (Applied ripple current)	Test time	1000 hours ( $\phi 8 \times 6.5L$ or less) 2000 hours ( $\phi 8 \times 10L$ to $\phi 10 \times 10.5L$ ) 5000 hours ( $\phi 12.5 \times 13.5L$ )					
	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 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 1998, -18 1999 (IEC 60384-1 1992, -18 1993)						

### Outline Drawing

Unit : mm



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

### Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	120	1k	10k	100k	
Rated voltage (V)	6.3 to 35	0.50	0.75	0.90	1

### Part numbering system

φ10×10.5L or less 6.3V1500µF

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

In the case of "for High Temperature Reflow" type, a series name is "RZA".

φ12.5×13.5L 6.3V2700µF

RVZ	—	6	V	272	M	IE	T	—	R5
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping symbol

Standard Ratings

Rated voltage (V)	Item	6.3				10				16				25				35			
		Case	Casing symbol	Impedance	Rated ripple current	Case	Casing symbol	Impedance	Rated ripple current	Case	Casing symbol	Impedance	Rated ripple current	Case	Casing symbol	Impedance	Rated ripple current	Case	Casing symbol	Impedance	Rated ripple current
		φDXL (mm)		(Ω)	(mAmps)	φDXL (mm)		(Ω)	(mAmps)	φDXL (mm)		(Ω)	(mAmps)	φDXL (mm)		(Ω)	(mAmps)	φDXL (mm)		(Ω)	(mAmps)
4.7	—	—	—	—	—	—	—	—	—	—	—	—	4×5.3	D55	3.20	65	4×5.3	D55	3.20	65	
10	—	—	—	—	4×5.3	D55	3.20	65	4×5.3	D55	3.20	65	4×5.8	D61	1.80	80	5×5.3	E55	1.50	110	
	—	—	—	—	—	—	—	—	—	—	—	—	5×5.3	E55	1.50	110	5×5.8	E61	0.76	150	
15	—	—	—	—	—	—	—	—	4×5.8	D61	1.80	80	5×5.8	E61	0.76	150	5×5.8	E61	0.76	150	
22	4×5.3	D55	3.20	65	4×5.8	D61	1.80	80	5×5.3	E55	1.50	110	5×5.8	E61	0.76	150	6.3×5.3	F55	0.85	170	
	4×5.8	D61	1.80	80	5×5.3	E55	1.50	110	5×5.8	E61	0.76	150	6.3×5.3	F55	0.85	170	6.3×5.3	F55	0.85	170	
33	5×5.3	E55	1.50	110	5×5.3	E55	1.50	110	6.3×5.3	F55	0.85	170	6.3×5.3	F55	0.85	170	6.3×5.3	F55	0.85	170	
	5×5.8	E61	0.76	150	5×5.8	E61	0.76	150	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	
47	5×5.3	E55	1.50	110	6.3×5.3	F55	0.85	170	6.3×5.3	F55	0.85	170	6.3×5.3	F55	0.85	170	6.3×5.8	F61	0.44	230	
	5×5.8	E61	0.76	150	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	6.3×7.7	F80	0.34	280	
68	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	8×6.5	G68	0.34	280	
	6.3×5.3	F55	0.85	170	6.3×5.3	F55	0.85	170	6.3×5.3	F55	0.85	170	6.3×7.7	F80	0.34	280	8×6.5	G68	0.34	280	
100	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	8×6.5	G68	0.34	280	8×6.5	G68	0.34	280	8×10.5	GA5	0.17	450	
	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	6.3×7.7	F80	0.34	280	8×10	G10	0.20	450	8×10.5	GA5	0.17	450	
150	6.3×5.8	F61	0.44	230	6.3×5.8	F61	0.44	230	8×10.5	GA5	0.17	450	8×10.5	GA5	0.17	450	10×10	H10	0.10	670	
	6.3×5.8	F61	0.44	230	6.3×7.7	F80	0.34	280	8×10.5	GA5	0.17	450	8×10.5	GA5	0.17	450	10×10	H10	0.10	670	
220	6.3×5.8	F61	0.44	230	8×10	G10	0.20	450	8×10	G10	0.20	450	10×10	H10	0.10	670	10×10	H10	0.10	670	
	6.3×7.7	F80	0.34	280	8×10.5	GA5	0.17	450	8×10.5	GA5	0.17	450	10×10	H10	0.10	670	10×10.5	HA5	0.09	670	
330	6.3×7.7	F80	0.34	280	10×10	H10	0.10	670	10×10	H10	0.10	670	10×10	H10	0.10	670	10×10.5	HA5	0.09	670	
	8×6.5	G68	0.34	280	10×10	H10	0.10	670	10×10	H10	0.10	670	10×10.5	HA5	0.09	670	12.5×13.5	IE	0.06	1100	
470	8×10.5	GA5	0.17	450	10×10	H10	0.10	670	10×10	H10	0.10	670	10×10.5	HA5	0.09	670	12.5×13.5	IE	0.06	1100	
	10×10	H10	0.10	670	10×10.5	HA5	0.09	670	10×10.5	HA5	0.09	670	12.5×13.5	IE	0.06	1100	—	—	—	—	
680	8×10.5	GA5	0.17	450	10×10.5	HA5	0.09	670	12.5×13.5	IE	0.06	1100	12.5×13.5	IE	0.06	1100	—	—	—	—	
	10×10	H10	0.10	670	12.5×13.5	IE	0.06	1100	—	—	—	—	—	—	—	—	—	—	—		
1000	8×10.5	GA5	0.17	450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	10×10	H10	0.10	670	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1500	10×10.5	HA5	0.09	670	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
2200	12.5×13.5	IE	0.06	1100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
2700	12.5×13.5	IE	0.06	1100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

CHIP ALUMINUM

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