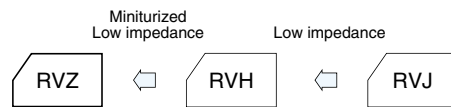


Chip Type, 105°C Use, Low Impedance Capacitors Series RVZ

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



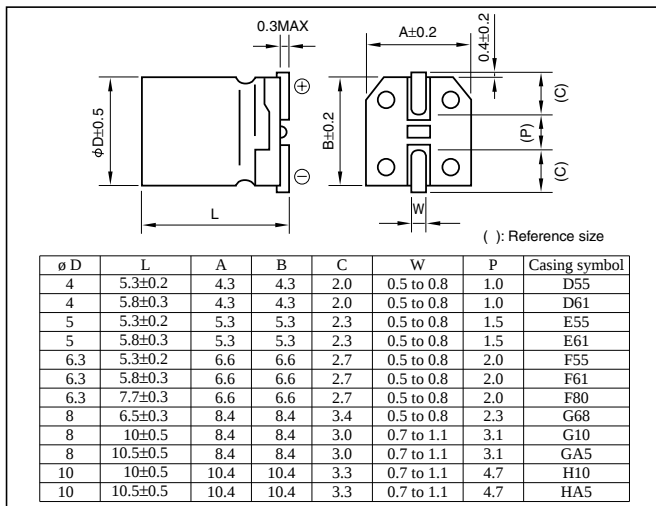
Marking color : Black print (ø4x5.3L – ø8x6.5L)
White print on a brown sleeve (ø8x10L · ø10x10L)

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
	(20°C,120Hz)					
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
Z-55°C / Z+20°C		8	5	4	3	3
	(120Hz)					
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



- Soldering conditions and land size are described on page 14.
- The taping specifications are described on page 15.

Coefficient of Frequency for Rated Ripple Current

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

Part numbering system (example: 6.3V1500μF)

Environmental item	RVZ	6	V	152	M	HA5	U	
	Series code	Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol	Taping symbol
Former item	RVZ	6	V	152	M	HA5		
	Series code	Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol	Taping symbol

NOTE

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Standard Ratings

Rated voltage (V)	Item	6.3				10				16				25				35			
		Case ø D(mm)	Casing symbol	Impedance Ω	Rated ripple current mA	Case ø D(mm)	Casing symbol	Impedance Ω	Rated ripple current mA	Case ø D(mm)	Casing symbol	Impedance Ω	Rated ripple current mA	Case ø D(mm)	Casing symbol	Impedance Ω	Rated ripple current mA	Case ø D(mm)	Casing symbol	Impedance Ω	Rated ripple current mA
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
														5x5.3	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	5x5.8	E61	0.76	150	150
	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	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	170
	5x5.8	E61	0.76	150	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	230
47	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	6.3x5.8	F61	0.44	230	230
	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	6.3x7.7	F80	0.34	280	280
																	8x6.5	G68	0.34	280	280
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	6.3x7.7	F80	0.34	280	280
																	8x6.5	G68	0.34	280	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	280
	6.3x5.8	F61	0.44	230	6.3x5.8	F61	0.44	230	8x6.5	G68	0.34	280	8x6.5	G68	0.34	280	8x10	G10	0.20	450	450
150	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	450
																	8x10.5	GA5	0.17	450	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	450
	6.3x7.7	F80	0.34	280	8x6.5	G68	0.34	280	8x10	G10	0.20	450	8x10	G10	0.20	450	10x10	H10	0.10	670	670
330	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	10x10.5	HA5	0.09	670	670
	8x6.5	G68	0.34	200	10x10	H10	0.10	670	10x10	H10	0.10	670	10x10	H10	0.10	670	—	—	—	—	—
	8x10	G10	0.20	450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
470	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450	8x10.5	GA5	0.17	450	10x10.5	HA5	0.09	670	—	—	—	—	—
	10x10	H10	0.10	670	10x10	H10	0.10	670	10x10	H10	0.10	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	—	—	—	—	—	—	—	—	—	—	—	—	—
	10x10	H10	0.10	670	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1500	10x10.5	HA5	0.09	670	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

NOTE

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