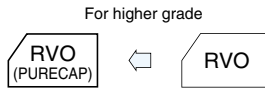


Chip Type Audio Use Capacitors

GREEN CAP SMD For audio

- Audio grade surface mount product with completely new components using synthetic mica paper for the separator.
- Both quality sense and sound field that could not be realized by the surface mount products are reproducible.



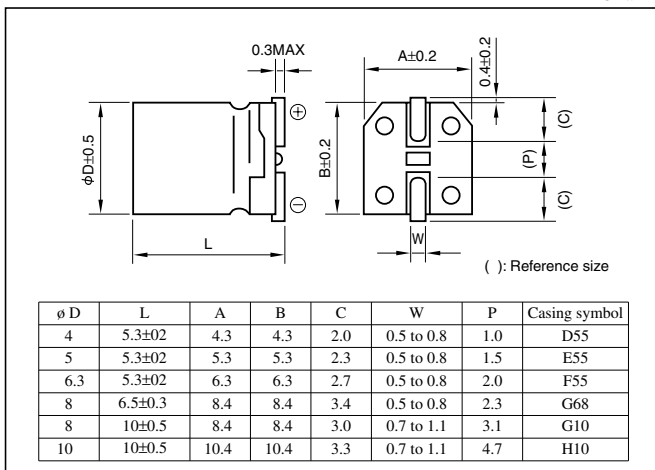
Marking color : Black print (except height : 10mm)
White print on a brown sleeve (ø8x10L, ø10x10L)

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)	6.3 10 16 25 35 50
	tanδ (max.)	0.28 0.24 0.20 0.14 0.12 0.10
Characteristics at high and low temperature	Rated voltage (V)	6.3 10 16 25 35 50
	Impedance ratio (max.)	Z-25°C / Z+20°C 3 3 2 2 2 2 Z-40°C / Z+20°C 8 5 4 3 3 3
Endurance (85°C) (Applied ripple current)	Test time	2000 hours
	Leakage current	The initial specified value or less
	Percentage of capacitance change	Within ±20% of initial value
	Tangent of the loss angle	200% or less of the initial specified value
Shelf life (85°C)	Test time : 1000 hours; other items are the same as those for the endurance. Voltage application treatment	
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	120	1k	10k - 100k
6.3 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 (example: 16V471 M H10 U)

RVO	—	16	V	471	M	H10	□	U	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing 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 capacitance(µF)	6.3		10		16		25		35		50	
	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current
Item	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms
0.1	—	—	—	—	—	—	—	—	—	—	4x5.3	3
0.22	—	—	—	—	—	—	—	—	—	—	4x5.3	5
0.33	—	—	—	—	—	—	—	—	—	—	4x5.3	6
0.47	—	—	—	—	—	—	—	—	—	—	4x5.3	7
1	—	—	—	—	—	—	—	—	—	—	4x5.3	10
2.2	—	—	—	—	—	—	—	—	—	—	4x5.3	15
3.3	—	—	—	—	—	—	—	—	—	—	4x5.3	19
4.7	—	—	—	—	4x5.3	18	4x5.3	19	4x5.3	20	5x5.3	26
10	—	—	4x5.3	23	4x5.3	26	5x5.3	32	5x5.3	34	6.3x5.3	44
22	4x5.3	31	5x5.3	40	5x5.3	44	6.3x5.3	55	6.3x5.3	59	8x6.5	124
33	5x5.3	44	5x5.3	49	6.3x5.3	63	6.3x5.3	67	8x6.5	124	8x6.5	124
47	5x5.3	53	6.3x5.3	68	6.3x5.3	76	8x6.5	124	8x6.5	124	8x10	200
100	6.3x5.3	90	6.3x5.3	99	8x6.5	124	8x6.5	137	8x10	200	10x10	366
220	8x6.5	149	8x6.5	149	8x10	200	8x10	235	10x10	366	—	—
330	8x6.5	160	8x10	226	8x10	245	10x10	366	—	—	—	—
470	8x10	251	10x10	366	10x10	366	—	—	—	—	—	—
1000	10x10	423	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 85°C, 120Hz.