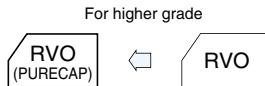


Chip Type Audio Use Capacitors Series RVO (PURECAP)

- 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.



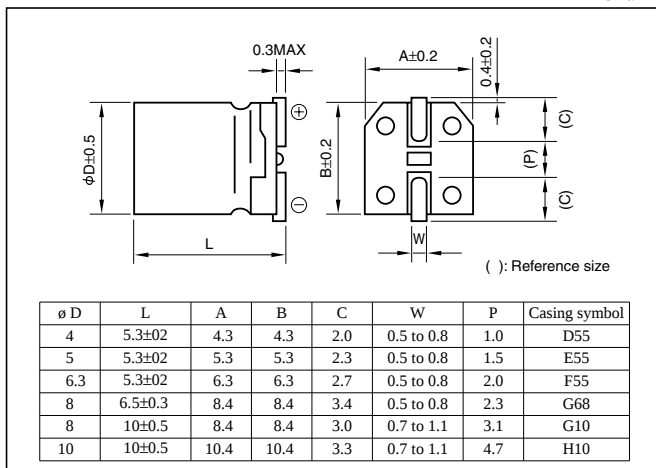
Marking color : Black print (except height : 10mm)
White print on a brown sleeve (ø8x10L, ø10x10L)

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
(20°C,120Hz)								
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
(120Hz)								
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

Frequency(Hz)	50	120	1k	10k · 100k
Rated voltage(V)				
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: 16V470μF)

Environmental item	RVO	16	V	471	M	H10	U	
	Series code	Rated voltage symbol	Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol	Taping symbol	
Former item	RVO	16	V	471	M	H10		
	Series code	Rated voltage symbol	Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol	Taping symbol	

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

Standard Ratings

Rated voltage(V)	Item	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
Rated capacitance(μF)		ø DxL(mm)	mArms	ø DxL(mm)	mArms	ø DxL(mm)	mArms	ø DxL(mm)	mArms	ø DxL(mm)	mArms	ø 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	17	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.