

## **RJA Series**

#### Features

- · 105°C, wide temperature range
- · Suitable for high reliability products
- · RoHS Compliance

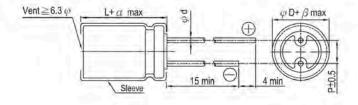


Sleeve & Marking Color: Deep Purple & White

#### Specifications

Items	Performance													
Category Temperature Range	6.3 ~ 63V 100V													
and the second s	1	-55°C ~ +10					-4	0°C ~+	105°C					
Capacitance Tolerance				7		±20%						(at 12	0Hz, 20°C	
_eakage Current (at 20°C)	I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = rated capacitance in μF $^{-}$ V = rated DC working voltage in V													
Tanō (at 120 Hz, 20°C)		ated Voltage	6.3	10	16	-	25	35	50	63	100			
		anδ (max)	0.23	0.20	0.16		14	0.12	0.10	0.09	0.09 0.08			
	When the capacitance exceeds 1,000μF, 0.02 shall be added every 1,000μF increase.													
	Impedance ratio shall not exceed the values given in the table below.													
		Rated Volta			6.3	10	16	25	35	50	63	100		
ow Temperature	17.22.	Z(-25°C)		<16	4	3	3	2	2	2	2	2		
Characteristics (at 120Hz)	Impedan	The second second		≥16	5	4	3	2	2	2	2	3		
,	Ratio	Z(-40/-55°	1	<16	8	6	4	4	4	3	3	3		
	1 1 2	/Z(+20°C	φD	≥16	12	8	6	4	3	3	3	6		
Endurance		inge	2,000 Hrs  e Within ±20% of initial value  Less than 200% of specified value											
		ge Curre	nt					specified value						
<u> </u>	*The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with rated ripple current for 2,000 hours at 105°C.													
		Te		1,000 Hrs										
		Capacita	nge	Within ±20% of initial value										
Shelf Life Test			all y	Less than 200% of specified value										
		nt	Within specified value											
1	* The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours °C without voltage applied.										hours at 10			
	Cap	.(µF)	Freq.(H	(z) 60	(50)	120	0	500	11	k	10k up			
		Under 100 100 < C ≤ 1,			0.70	1.0	0	1.30	1.4	10	1.50			
							0	1 20	4.5	0	4 25			
Ripple Current and Frequency Multipliers		100 < C ≤	1,000	(	0.75	1.00	U	1.20	1.3	50	1.35			

### Diagram of Dimensions



ead	Spaci	ng an	d Dia	meter		U	nit: n					
φD	5	6.3	8	10	12.5	16	18					
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5					
φd	.0	.5	1.7	0.6	0.8							
α	L<20: 1.5, L≥20: 2.0											
B	0.5											

Dimension and Permissible Ripple Current

Dimension:  $\phi D \times L(mm)$ 

Ripple Current: mA/rms at 120 Hz, 105°C

V. DC		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)		100V (2A)	
HF .	Contents	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA
2.2	2R2				trans or b	1			-			5×11	20			5×11	26
3.3	3R3					II a I				A		5×11	30		101	5×11	31
4.7	4R7	II			II II	l = 1	I		= 1		LI	5×11	33	5×11	36	6.3×11	40
10	100		: =-		13 1	HT F #	3.4		-		F T	5×11	50	5×11	54	6.3×11	54
22	220				la si	la d				100		5×11	78	6.3×11	86	6.3×11 8×11.5	93 111
33	330									5×11	85	5×11	90	6.3×11	100	8×11.5 10×12.5	144 183
47	470	h -	7 = == 1		1-11			5×11	97	5×11	90	6.3×11	117	6.3×11	129	10×12.5	204
100	101			1 - 11	he ti	5×11	110	6.3×11	142	6.3×11	150	8×11.5	188	10×12.5	235	10×20	285
220	221	<u> </u>		5×11	150	6.3×11	180	8×11.5	236	8×11.5	270	10×16	335	10×20	400	12.5×25	440
330	331			6.3×11	200	8×11.5	260	8×11.5	330	10×12.5	350	10×16 10×20	410 460	10×20 12.5×20	490 520	16×25	478
470	471	6.3×11	230	6.3×11 8×11.5	250 290	8×11.5	310	10×12,5	380	10×16	460	12.5×20	590	12.5×20 12.5×25	665 720	16×31.5	688
1,000	102	8×11.5	380	10×12.5	460	10×16	560	10×20	680	12.5×20	830	16×25	1,080	16×25	1,190	i er vi	
2,200	222	10×16	690	10×20	760	12.5×20	920	12.5×25	1,090	16×25	1,260	16×35.5	1,470		7 - 4	I F I E	-
3,300	332	10×20	840	12.5×20	1,100	12.5×25	1,170	16×25	1,400	16×35.5	1,610	18×35.5	1,650			V P V	
4,700	472	12.5×20	1,090	12.5×25	1,260	16×25	1,480	16×31.5	1,710	18×35.5	1,900	FIELD					
6,800	682	12.5×25	1,460	16×25	1,690	16×31.5	1,930	18×35.5	2,160				tr i				
10,000	103	16×25	1,990	16×31.5	2,220	18×31.5	2,330										
22,000	223	18×35.5	2,930	18×40	3,230		-,-										

Part Numbering System

RJA

Series Name

**RJA Series** 470µF

471

Capacitance

±20% M

Capacitance

Tolerance

6.3V

OJ

Rated

Voltage

Bulk Package

BK

Lead Configuration

& Package

Gas Type

Rubber

Type

6.3 φ×11L

0611 Case Size

Lead Wire and Sleeve type

Pb-free and PET

sleeve

Supplement

Note: For more details, please refer to "Part Numbering System (Radial Type)"

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