



SJA Series

Features

- 105°C, 2,000 hours assured
- High temperature category range, with 7mm height
- RoHS Compliance

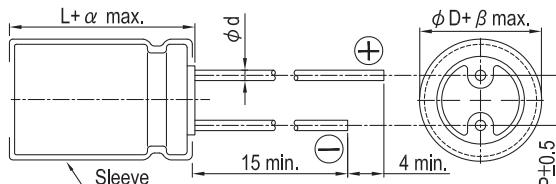


Sleeve & Marking Color: Brown & White

Specifications

Items	Performance								
Category Temperature Range	-55°C ~ +105°C								
Capacitance Tolerance	±20% (at 120Hz, 20°C)								
Leakage 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								
Tanδ (at 120Hz, 20°C)	Rated Voltage	4	6.3	10	16	25	35	50	63
	Tanδ (max)	0.35	0.23	0.20	0.17	0.15	0.12	0.10	0.10
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.								
	Rated Voltage	4	6.3	10	16	25	35	50	63
	Impedance Ratio	Z(-25°C)/Z(+20°C)	6	4	3	3	2	2	2
Endurance	Z(-55°C)/Z(+20°C)								
	Test Time	2,000 Hrs							
	Capacitance Change	Within ±25% of initial value							
Shelf Life Test	Tanδ	Less than 200% of specified value							
	Leakage Current	Within specified value							
	* 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.								
Ripple Current and Frequency Multipliers		Test time: 1,000 hours; other items are the same as those for the Endurance.							
Ripple Current and Frequency Multipliers		Freq.(Hz)	60 (50)	120	500	1k	10k up		
		Cap.(μF)	Under 47	0.75	1.00	1.20	1.30	1.45	
			100 to 470	0.88	1.00	1.10	1.15	1.20	

Diagram of Dimensions



Lead Spacing and Diameter

φD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φd	0.45		0.5	
α		1.0		
β		0.5		

Unit: mm

Dimension: φ D×L(mm)

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

Dimension and Permissible Ripple Current

V _{DC} μF Contents	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)		
	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	
1 010															4x7	10	4x7 11
2.2 2R2															4x7	15	4x7 17
3.3 3R3															4x7	18	4x7 21
4.7 4R7															4x7	22	5x7 23 5x7 26
10 100									4x7	25	4x7	26	5x7	30	6.3x7	34	6.3x7 40
22 220									5x7	39	5x7	41	6.3x7	47	6.3x7	53	8x7 70
33 330	4x7	32	4x7	32	4x7	35	5x7	43	6.3x7	53	8x7	71	8x7	76			
47 470	4x7	38	4x7	38	5x7	47	6.3x7	59	6.3x7	65	8x7	83	8x7	85			
100 101	5x7	61	6.3x7	75	6.3x7	80	6.3x7	90	8x7	125	8x7	145					
220 221	6.3x7	90	6.3x7	99	8x7	140	8x7	146									
330 331	8x7	156	8x7	156	8x7	160											
470 471	8x7	180	8x7	180													

Part Numbering System

SJA Series	470μF	±20%	6.3V	Bulk Package	Gas Type	8φ×7L	Pb-free and PET sleeve
SJA	471	M	0J	BK	-	0807	Lead Wire and Sleeve type
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration & Package	Rubber Type	Case Size	

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 13.