SN Series

Features

- 85°C, 1,000 hours assured, bi-polarized series with 7mm height
- · Suitable for use in circuits wihich has a reversed or unknown
- RoHS Compliance

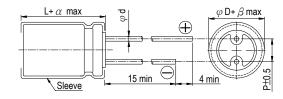


Sleeve & Marking Color: Yellow & Black

Secifications

Occincations														
Items	Performance													
Category Temperature Range	-40°C ~ +85°C													
Capacitance Tolerance	±20% (at 120Hz, 20°C)													
Leakage Current (at 20°C)	I = 0.05CV or 10 (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 Vo	ltage	4	6.3	10		16	25	35	50	0	63	
18110 (at 120Hz, 20 C)	Tanδ (max)			0.35	0.24	0.20	0	0.16	0.16	0.14	0.1	12	0.10	
	Impedance ratio shall not exceed the values given in the table below.													
Low Temperature		R	Rated Voltage				6.3	10	16	25	35	50	63	
Characteristics (at 120Hz)		Impedance	Z(-	25°C)/Z(+	20°C)	4	4	3	2	2	2	2	2	
		Ratio	Z(-40°C)/Z(+20°C)			10	10	8	6	4	3	3	3]
Endurance		Test Time 1,000 Hrs												
(After application of the rated	Capacitance Change				ange	Within ±20%of initial value								
voltage at 85℃, the polarity			Tanō				Less than 200% of specified value							
inverted every 250 Hrs.)			Leakage Current			Within specified value								
	I when the	capac	itors a	re resto	red to 20°	C after th	ne rated	voltag	e applied	for 1,000				
Shelf Life Test	Test time: 5	00 hours; other	r items a	are the sa	me as tho	se for t	he En	durance						

Diagram of Dimensions



Lead Spacing and Diameter										
ϕ D	4	5	8							
Р	1.5	2.0	2.5	3.5						
ϕd	0.45 0.5									
α	1.0									
β	0.5									

Unit: mm

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

Dimension & Permissible Ripple Current

Dimension & Permissible Ripple Current Ripple Current: mA/rms at 120 Hz, 85℃																	
V. DC 4V (00)G)	6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)		
μF	Contents	ϕ D×L	mA	ϕ D×L	mA	ϕ D×L	mA	ϕ D×L	mA	φD×L	mA	ϕ D×L	mA	ϕ D×L	mA	φD×L	mA
0.47	R47													4×7	6.6	4×7	7.3
1	010													4×7	9.7	4×7	10
2.2	2R2											4×7	13	4×7	14	5×7	16
3.3	3R3									4×7	15	5×7	16	5×7	18	6.3×7	20
4.7	4R7							4×7	18	5×7	18	6.3×7	20	6.3×7	22	8×7	24
10	100					4×7	23	5×7	27	6.3×7	28	8×7	30				
22	220			5×7	40	5×7	40	6.3×7	45	8×7	52						
33	330	5×7	40	5×7	40	6.3×7	45	8×7	52								
47	470	6.3×7	45	6.3×7	49	8×7	55										
100	101	8×7	66														

Part Numbering System

Pb-free and PET SN series 47µF ±20% 6.3V **Bulk Package** $6.3 \phi \times 7L$ Gas Type coating case SN-470 M BK 0607 <u>0J</u> Rated Lead Configuration Lead Wire and Series Capacitance Rubber Type Case Size Tolerance Voltage Coating Type

Note: For more details, please refer to "Part Numbering System (Radial Type)" on page 10.