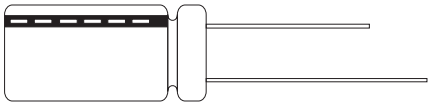
ALUMINUM ELECTROLYTIC CAPACITORS
SN Series: Radial Non-Polar, Miniature

FEATURES



- 85°C, 1000 hours assured.
- Suitable for use in circuits which have a reversed or unknown polarity.
- 7mm height.

SPECIFICATIONS

Item	Performance									
Operating Temperature	-40° ~ +85°C									
Capacitance Tolerance	± 20% (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 μ F, V = rated DC working voltage in V.									
Dissipaton Factor Tan δ at 120 Hz, 20°C	Rated Voltage	4	6.3	10	16	25	35	50	63	
	Tan δ (max)	0.35	0.24	0.20	0.16	0.16	0.14	0.12	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)	4	4	3	2	2	2	2	2
		Z(-40°C) /Z(+20°C)	10	10	8	6	4	3	3	3
Load Life Test (after application of the rated voltage at 85°C, the polarity inverted every 250 hours)	Test Time	1000 Hrs	Shelf Life Test (at 20°C after rated voltage applied for 500 hours at 85°C without voltage applied.			Test Time	500 Hrs			
	Capacitance Change	≤ ± 20%				Capacitance Change	≤ ± 20%			
	Dissipation Factor	Less than 200% of specifiec value				Dissipation Factor	Less than 200% of specified value			
	Leakage Current	Within specified values				Leakage Current	Within specified value			
Standards	Satisfies Characteristic W of JIS C 5141									

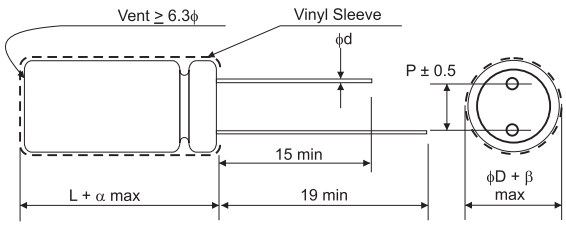
DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Dimension: ΦD×L(mm); Ripple Current: mA/RMS at 120Hz 85°C

VDC / μF	Code	4V(0G)		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1J)H)	
		ϕDXL	mA	ϕDXL	mA	ϕDXL	mA	ϕDXL	mA	ϕDXL	mA	ϕ DXL	mA	ϕDXL	mA	ϕDXL	mA
0.1	0R1													4 x 7	2.1	4 x 7	2.6
0.22	R22													4 x 7	4.5	4 x 7	5
0.33	R33													4 x 7	5.6	4 x 7	6.1
0.47	R47													4 x 7	6.6	4 x 7	7.3
1	010													4 x 7	9.7	4 x 7	10
2.2	2R2											4 x 7	13	4 x 7	14	5 x 7	16
3.3	3R3									4 x 7	15	5 x 7	16	5 x 7	18	6.3 x 7	20
4.7	4R7							4 x 7	18	5 x 7	18	5 x 7	20	6.3 x 7	22	8 x 7	24
10	100					4 x 7	23	5 x 7	27	6.3 x 7	28	8 x 7	30				
22	220			5 x 7	40	5 x 7	40	6.3 x 7	45	8 x 7	52						
33	330	5 x 7	40	5 x 7	40	6.3 x 7	45	8 x 7	52								
47	470	6.3 x 7	45	6.3 x 7	49	8 x 7	55										
100	101	8 x 7	66														

LEAD SPACING AND DIAMETER

ϕ D	4	5	6.3	8
P	1.5	2.0	2.5	3.5
ϕ d	0.45	0.5		
α	1.0			
β	0.5			



PART NUMBER EXAMPLE

SN 010 M 1H BK 040 070