

SPECIFICATION SHEET

Aluminium Foil for Electrolytic Capacitor

The aluminum electrolytic capacitor is a general-purpose electrolytic capacitor made of aluminum material with good electrical properties, wide application range and high reliability. It is made of an aluminum cylinder as a negative electrode, which is filled with a liquid electrolyte, and is inserted into a bent aluminum strip as a positive electrode.

The core is made up of an anode aluminum foil, a liner paper impregnated with an electrolyte, a cathode aluminum foil, a natural oxide film, etc., and the core is impregnated with an electrolyte and sealed with an aluminum shell and a rubber cover to form an electrolysis capacitor. In general, aluminum electrolytic capacitors have a plastic sleeve on the outside of the aluminum casing. The casing is colorful in color, and it is not only aesthetically pleasing but has a specific meaning.

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Specification

Item	Performance Characteristics							
Operating temperature Range	=-40 ~+105°C							
Rated voltage range	4~100V							
Nominal capacitance range	0.1~1500μF							
Capacitance tolerance	±20%(+20°C ,120Hz)							
Leakage current	I ≤ 0.01CRUR or 3(μA), Max (2 minutes) Whichever is greater (at 20°C , after 2 minutes) CR: Nominal capacitance(μF) UR: Rated voltage(V)							
Dissipation Factor (Max) (+20°C,120Hz)	UR(V)	4	6.3	10	16	25	35	50
	tgδ	0.35	0.28	0.24	0.2	0.16	0.14	0.12
Load life	After 1000 hours' application of rated voltage at 105°C , the capacitor shall meet the following requirement:							
	Capacitance change	Within ±20% of the initial value(≤ 16V: within ±25% of the initial value)						
	Dissipation factor	Not more than 300% of the initial specified value						
	Leakage current	Not more than the initial specified value						
Shelf life	After storage for 1000 hours at 105°C ,the capacitors shall meet the requirement of load life above.							
Low Temperature Stability	UR(V)	4	6.3	10	16	25	35	50
Impedance Ratio(120Hz)	Z-25°C /+20°C	7	4	3	2	2	2	2
	Z-40°C /+20°C	15	8	6	4	4	3	3

Resistance to Soldering Heat	The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement:	
	Capacitance change	Within ±10% of the initial value
	Dissipation factor	Not more than the initial specified value
	Leakage current	Not more than the initial specified value

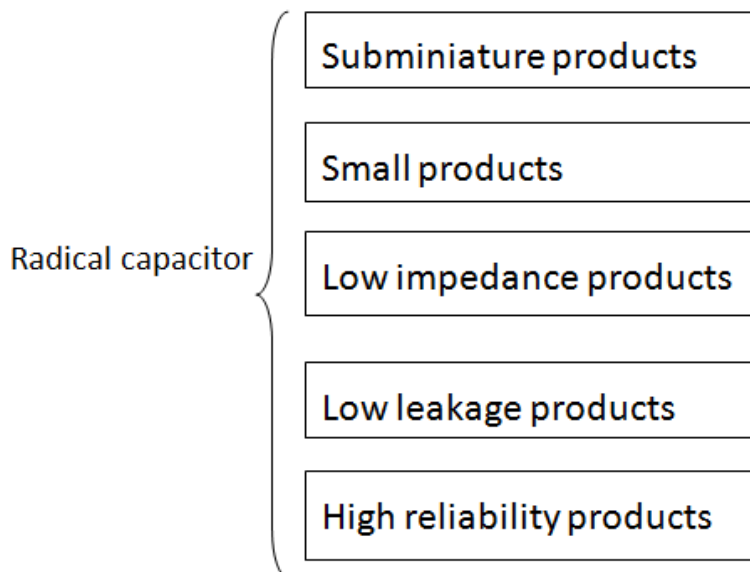
Specification of snap-in capacitor

Item	Performance Characteristics																																									
Operating temperature Range	-40~+85°C	-25~+85°C																																								
Rated voltage range	10~400V	450~500V																																								
Nominal capacitance range	68~82000µF																																									
Capacitance tolerance	±20%(120Hz,+20°C)																																									
Leakage Current	I ≤ 0.01CV or 1.5mA (5 minutes) Min (after 5 minutes , Whichever is smaller)																																									
Dissipation Factor (+20°C ,120Hz)	<table border="1"> <tr> <td>UR(V)</td> <td>160-200</td> <td>250-500</td> </tr> <tr> <td>Cap(µF)</td> <td></td> <td></td> </tr> <tr> <td>22-30</td> <td>0.1</td> <td>0.15</td> </tr> <tr> <td>35</td> <td>0.12</td> <td>0.15</td> </tr> </table>						UR(V)	160-200	250-500	Cap(µF)			22-30	0.1	0.15	35	0.12	0.15																								
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Load Life	After applying rated voltage with specified ripple current for 2000 hours at +85°C and then resumed 24 hours: Capacitance change : ±20% of the initial measured value Leakage current : ≤ the initial specified value Dissipation factor : ≤ 200% of the initial specified value																																									
Shelf Life	After storage for 1000 hours at +85°C , UR to be applied for 30 minutes and then resumed 24 hours: Capacitance change : ±15% of the initial measured value Leakage current : ≤ the initial specified value Dissipation factor : ≤ 150% of the initial specified value																																									

Specification of screw capacitor

Item	Performance Characteristics	
Operating temperature Range	-40~+85℃	-25~+85℃
Rated voltage range	10~250V	350~450V
Nominal capacitance range	270~820000μF	
Capacitance tolerance	±20%	
Leakage Current	I ≤ 0.01CV or 1.5mA (5 minutes) Min (after 5 minutes , Whichever is smaller)	
Load Life (85℃)	Time : 2000 hours Capacitance change : ±20% of the initial measured value Leakage current : ≤the initial specified value Dissipation factor : ≤200% of the initial specified value	
Shelf Life (85℃)	After test: UR to be applied for 60 minutes, 24 to 48 hours before measurement. Time : 1000 hours Capacitance change : ±20% of the initial measured value Leakage current : ≤the initial specified value Dissipation factor : ≤200% of the initial specified value	

Radical capacitor



Applications

1. Motion transfer system
2. Electric traffic
3. Industrial field
4. Consumer Electronics

Products



Packing

1. PE bag - Foam Cotton- Cartons on Pallet
2. PE bag- Foam Cotton - Wooden Cases
3. Customized.

