

Aluminum Electrolytic Capacitors

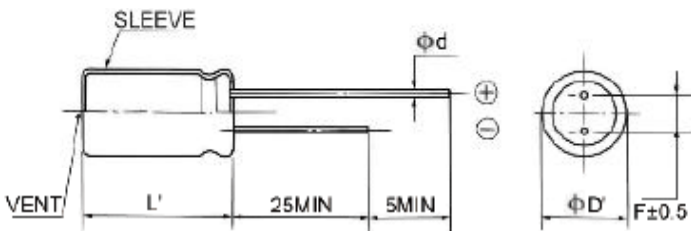
RQ Series

- Low Impedance, High Ripple Current, Long Life
- Endurance: 105°C 8000~10000 hours.
- Have characteristics of withstanding high temperature 105°C and good reliability.
- Suitable for communication equipment and industrial measurement instruments, switching power supplies, etc.
- Rohs compliance.

◆ SPECIFICATIONS

Item	Characteristics									
Temperature Range	-40 to +105°C									
Rated Voltage Range	6.3 to 50 WV.DC									
Surge Voltage	W.V.	6.3	10	16	25	35	50	63	100	at 25°C
	S.V.	8	13	20	32	44	63	73	110	
Capacitance Tolerance	- 20%(M) ~ + 20% (at 25°C, 120Hz)									
Leakage Current	I = 0.01CV, whichever is greater. at 25°C After 1 minutes I: Max. Leakage Current (μA) C: Rated Capacitance (μF) V: Rated voltage (V)									
Dissipation Factor (tanδ)	Rated voltage (V)	6.3	10	16	25	35	50	63	100	at 25°C, 120Hz
	Tanδ(Max)	22	19	16	14	12	10	9	8	
When rated capacitance is over 1000 uF, tan δ shall be added 0.02 to the listed value with increase of every 1000uF (at 25°C, 120Hz)										
Low Temperature Characteristics	Impedance ratio at 120Hz									
	Rated voltage (V)	6.3	10	16	25	35	50	63	100	
	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2	2
	Z-40°C/Z+20°C	8	6	4	3	3	3	3	3	3
Endurance	The following specification shall be satisfied when the capacitors are restored to 20°C after subjected DC voltage with the rated ripple current is applied for 10000 hours at 105°C.									
	Capacitance Change	≤ ±20% of the initial value								
	Dissipation Factor	≤ 200% of the initial specified value								
	Leakage Current	≤ initial specified value								
Shelf Life	The following specification shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000hours at 105°C without voltage applied. (Reference JIS C 5102)									
	Capacitance Change	≤ ±20% of the initial value								
	Dissipation Factor	≤ 200% of the initial specified value								
	Leakage Current	≤ 200% of the initial specified value								

◆ DRAWING



φ D	5	6.3	8	10/13	16-18
φ d	0.5		0.6	0.6	0.8
F	2	2.5	3.5	5.3	7.5
φ D'	D + 0.5 max			D + 1.0 max	
L'	L + 1.5 max			L + 2.0 max	