

Aluminum Electrolytic Capacitors



SQ Series

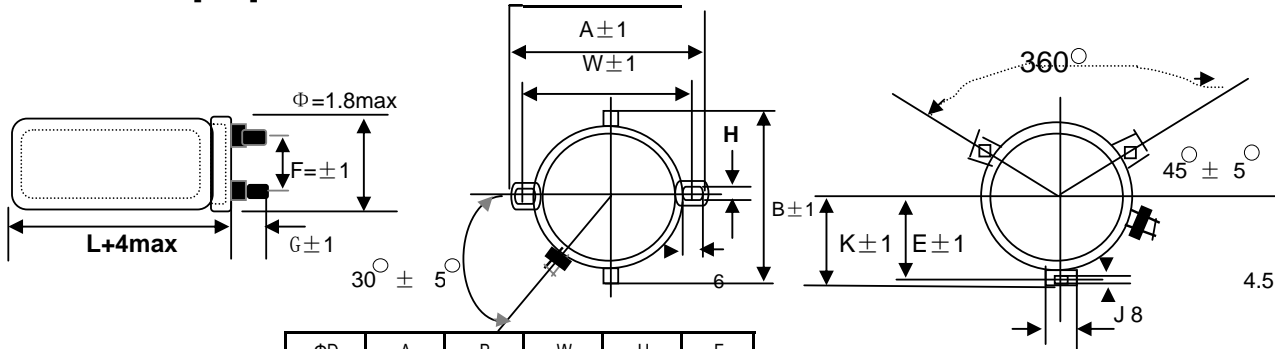
- Endurance with ripple current: 105°C 2000 hours
- Rohs compliance.



◆ SPECIFICATIONS

Item	Characteristics	
Category Temperature Range	-40~+105°C(10~100VDC)	-25~+105°C(160~250VDC)
Voltage Range	10 ~ 400V.DC	
Capacitance Tolerance	±20%(M) 20°C, 120Hz	
Leakage Current	I=0.02CV or 5mA whichever is smaller. (at 20°C after 5min.) Where, I : Max. Leakage Current (μ A) 、 C : Nominal Capacitance (μ F) 、 V : Rated Voltage (V) I : LC (μ A) 、 C : CAP. (μ F) 、 V : WV (Vdc) 20°C	
Dissipation Factor(tan δ)	Shall not exceed the values shown in the STANDARD RATINGS (at120Hz,20°C)	
Low Temp. Impedance Stability at 120Hz	Capacitance change	10~100VDC C(-25°C)/C(+20°C)≧0.6 160~400VDC C(-25°C)/C(+20°C)≧0.7
High Temp. Load Test	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 105°C. Capacitance change ≧ ±20% of the initial measured value tan δ ≧ 200% of the initial specified value DC Leakage Current ≧ the initial specified value	
High Temp. Non-Load Test	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied. Capacitance Change ≧ ±20% of the initial measured value tan δ ≧ 200% of the initial specified value DC Leakage Current ≧ the initial specified value	

◆ DIMENSIONS [mm]



Φ 35to Φ 63.5:G=6

Φ 76to Φ 89:G=5

ΦD	A	B	W	H	F	ΦD	E	K	J	F
35	58	44	48	3.5	12.7	50	32.5	37	14	22.4
50	78	64	68	4.5	22.4	63.5	38.1	43.5	14	28
63.5	90	76	80	4.5	28	76	44.5	50	14	31.5
76	104.5	90	93.5	4.5	31.5	89	50.8	56.5	16	31.5

Rated Voltage (VDC)	Case Diameter (mm)	Frequency(Hz)					
		50	120	300	1K	10K	50K
10 to 50	Φ 35 to Φ 89	0.95	1.00	1.03	1.05	1.09	1.12
	Φ 35	0.90	1.00	1.06	1.10	1.18	1.22
63 & 80	Φ 50 to Φ 89	0.95	1.00	1.03	1.05	1.09	1.12
	Φ 35	0.82	1.00	1.12	1.22	1.30	1.33
100	Φ 50	0.90	1.00	1.06	1.10	1.18	1.22
	Φ 63.5 to Φ 89	0.95	1.00	1.03	1.05	1.09	1.12
	Φ 35	0.80	1.00	1.19	1.34	1.46	1.52
160 to 250	Φ 50 & Φ 63.5	0.81	1.00	1.14	1.26	1.36	1.41
	Φ 76 & Φ 89	0.82	1.00	1.12	1.22	1.30	1.33
	Φ 35 to Φ 89	0.80	1.00	1.19	1.34	1.46	1.52

<Screw specification

Plus hexagon-headed screw

M5x0.8x10

Maximum screw tightening torque:3.23Nm

