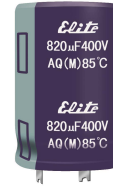




AQ Series

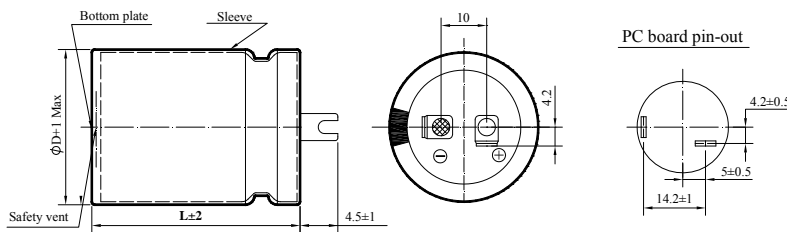
- High ripple current capability
- High stability.Suitable for LCD and PDP



◆ SPECIFICATIONS

Item	Performance Characteristics			
Category Temperature Range	-25 ~ +85°C			
Working Voltage Range	400 ~ 450Vdc			
Capacitance Range	330 ~ 820µF			
Capacitance Tolerance	±20% (at 25°C and 120Hz)			
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V)	400	420	450
	tanδ(Max)	0.15	0.15	0.15
Leakage Current	$I = \sqrt{CV}$ or 3000µA, whichever is smaller. I : Leakage current (µA) C : Rated capacitance (µF) V : Rated voltage (V) Impress the rated voltage for 5 minutes			
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V)	400	420~ 450	
	Z(-25°C)/Z(+20°C)	4	8	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 3,000 hours at 85°C.			
	Capacitance change	≒ ±20% of the initial value		
	Dissipation factor(tanδ)	≒ 200% of the specified value		
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 1,000 hours at 85°C without voltage applied.			
	Capacitance change	≒ ±20% of the initial value		
	Dissipation factor(tanδ)	≒ 200% of the specified value		
Leakage current	≒ 200% of the specified value			(at 120Hz)
	Others			
Conforms to JIS-C-5101-4 (1998), characteristic W				

◆ DIMENSIONS (mm)



◆ PART NUMBER SYSTEM(Example : 400V 820µF)

A	Q	2	G	8	2	1	M	H	U	3	5	5	8						
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Special Request

Size code (3558:35×58)

Terminal code

Capacitance tolerance code (M:±20%)

Capacitance code (820µF)

Voltage code (400V)

Series code (AQ)



AQ Series

◆ Case size & Permissible rated ripple current (mA rms) 120Hz / 85°C

Vdc ΦD uF	400				420				450			
	Φ30		Φ35		Φ30		Φ35		Φ30		Φ35	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
330	30×40	1500	35×35	1500	30×40	1350	35×35	1350	30×45	1250	35×40	1250
360	30×40	1600	35×35	1600	30×40	1450	35×35	1450	30×50	1350	35×40	1350
390	30×40	1700	35×35	1700	30×45	1550	35×40	1550			35×45	1450
420	30×45	1800	35×40	1800	30×50	1700	35×40	1700			35×45	1550
440	30×50	1900	35×40	1900	30×50	1900	35×45	1900			35×50	1700
470	30×50	2000	35×40	2000			35×45	2050			35×50	1800
510			35×45	2150			35×50	2150			35×58	2000
560			35×50	2300			35×50	2300				
620			35×50	2450			35×58	2400				
680			35×50	2600								
820			35×58	2850								

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	60	120	360	1K	10K
400 ~ 450	0.80	1.00	1.10	1.20	1.30