

AP Series

Features

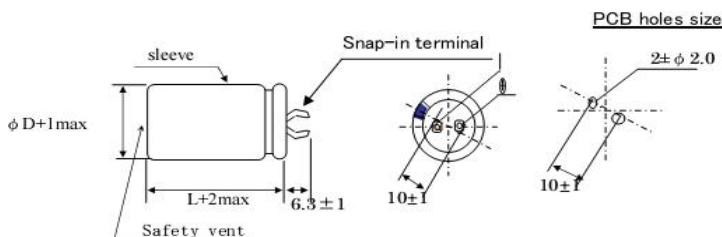
- ◆ Design for high grade audio equipment , 2000 hours at 85°C .
- ◆ Snap-in Terminal Type .
- ◆ Suitable for use in mini-compos, CD, Cassette decks and etc .
- ◆ RoHS Compliant .



Specifications

Item	Performance Characteristics			
Temperature Range	-25~+85°C			
Rated Voltage Range	16~100Vdc			
Capacitance Range	680~10000µF			
Capacitance Tolerance	±20% (120Hz, +20°C)			
Leakage Current (+20°C,max.)	$I \leq 3\sqrt{CV}$ (µA) (After 5 minute application of rated voltage at +20°C)			
Dissipation Factor(tgδ) 120Hz, +20°C	Working Voltage(Vdc)	16~25	35	50~100
	D.F.(%)max.	40	35	30
For capacitance>1000µF , Add 2% per another 1000µF.				
Low Temperature Characteristics(120Hz)	Impedance ratio max.			
	Working Voltage(Vdc)	16~35	50~100	
	Z-25°C/ Z+20°C	4	3	
Z-40°C/ Z+20°C	15	10		
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 85°C, the capacitors shall meet the following requirements.			
	Capacitance Change	Within ±20% of the initial value		
	Dissipation Factor	No more than 200% of the specification value		
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours, the characters shall meet the following requirements.			
	Capacitance Change	Within ±20% of the initial value		
	Dissipation Factor	No more than 200% of the specification value		
Others	JISC-5101(IEC 60384)			

Dimensions



Frequency coefficient

Freq(Hz) WV(V)	50	120	1K	10	>10K
16~50	0.95	1.00	1.15	1.15	1.25
63~100	0.95	1.00	1.16	1.30	1.33

AP Series**Case size & Maximum permissible ripple current**

Voltage	16V		25V		35V		50V	
Cap(μF)	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
1000							22×25	0.80
1500					22×25	0.80	25.4×25	1.40
2200			22×25	1.00	25.4×25	1.50	30×25	1.90
3300			22×30	1.30	25.4×30	1.95	25.4×40	2.30
			25.4×25	1.70	30×25	2.00	30×30	2.45
4700			22×35	1.70	30×30	2.60	30×40	2.80
	22×25	1.50	25.4×30	2.10	35×25	2.65	35×30	2.80
6800	22×35	2.00	22×45	2.20	25.4×50	3.10	30×50	3.30
	25.4×30	2.25	25.4×40	2.70	30×40	3.10	35×40	3.40
10000	25.4×35	2.50	30×40	3.10	35×40	3.50		
	30×30	2.50	35×30	3.10				
	35×25	2.60						

Voltage	63V		80V		100V	
Cap(μF)	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
680	22×25	0.70	25.4×25	1.00	30×25	1.10
1000	22×30	0.90	22×35	1.00	22×50	1.50
	25.4×25	1.00	30×25	1.25	35×25	1.20
2200	25.4×30	1.30	30×30	1.65	30×50	2.25
	30×25	1.35	35×25	1.70	35×40	2.20
3300	22×45	1.60	25.4×50	2.10		
	25.4×40	1.80	30×40	2.00		
4700	25.4×50	2.10	30×50	2.20		
	30×40	2.00	35×40	2.20		
6800	30×50	2.60	35×50	2.70		
10000	35×50	3.30				

Size $\Phi D \times L$ (mm), Ripple Current (A, rms. /85°C 120Hz).

Above size is the standard size for our product. If you need special size please contact our sales offices .