

AR Series Snap-in Type 85°C

Features :

- ※Snap in design for audio equipment
- ※Aluminum case designed explosion-proof vent. Non solvent-proof type.
- ※ROHS Compliant



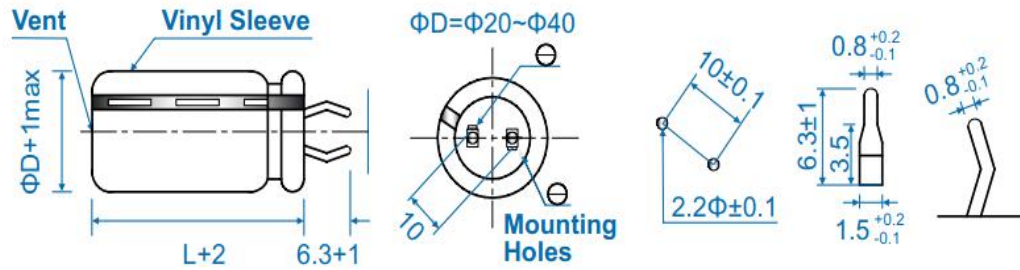
Specification :

Item	Performance Characteristics							
Operating Temperature Range	-40 to +85°C							
Rated Working Voltage Range	16 to 100 VDC							
Nominal Capacitance Range	680 to 33000 uf							
Capacitance Tolerance	±20%(120Hz, +20°C)							
Leakage Current (+20°C,max)	1 ≦ 0.02CV (μA) After 5 minute with rated working voltage applied.							
Dissipation Factor Tanδ , at 20°C, 120Hz)	Working Voltage(VDC)	16	25	35	50	63	80	100
	D.F.(%)Max.	35	30	30	30	22	20	20
	For capacitance > 1000 uF, add 2% per another 1000 μF							
Low Temperature Characteristics(120Hz)	Impedance ratio max							
	Working Voltage(VDC)	16	25	35	50	63	100	
	Z-25°C/Z+20°C	5	4	4	4	4	4	
	Z-40°C/Z+20°C	15	15	12	12	12	12	
Load Life	Test Condition Duration time : 2000Hrs Ambient temperature : +85°C Applied voltage : Rated DC working voltage After test requirement at +20°C Capacitance change : ≤±25% of the initial measured value Dissipation factor : ≤200% of the initial specified value Leakage Current : ≤ the initial specified value							
Shelf Life	Test Conditions Duration time : 1000Hrs Ambient temperature : +85°C Applied voltage : None After test requirement at +20°C : Same limits as load life Pre-treatment for measurement shall be conducted after application of DC working voltage for 30 minutes .							

Multiplier For Ripple Current vs. Frequency

CAP(μF)\Frequency(Hz)	50(60)	120.00	1K	10K	100K
CAP≤100	0.80	0.10	1.36	1.48	1.53
100<CAP≤1000	0.80	1.00	1.25	1.35	1.38
1000≦CAP	0.80	1.00	1.17	1.25	1.28

Dimension:(unit:mm)



Case Size

∅ D×L (mm)

WV Cap (UF)	16							
	22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
820								
1000								
1200	22×21	0.95						
1500			25×21	1.10				
1800	22×26	1.20						
2200					30×21	1.35		
2700			22×26	1.75				
3300	22×21	1.50	25×21	2.00			35×22	1.95
3900	22×46	2.30	25×21	1.55				
			25×36	2.35	30×26	2.35		
4700	22×21	1.35	25×41	2.70				
	22×26	1.75					35×27	2.60
	22×51	2.75				2.70		
5600			25×46	2.90	30×21	1.85		
					30×36	2.90		
6800	22×31	2.20	25×21	1.70			35×32	3.15
			25×26	2.15				
			25×51	3.20	30×41	3.20		
8200	22×26	1.90	25×31	2.30			35×22	2.25
	22×36	2.40			30×46	3.35	35×37	3.30
10000	22×31	2.05			30×21	2.10	35×42	3.50
			25×26	2.00	30×26	2.50		
	22×41	2.65	25×36	2.45				
12000	22×36	2.20	25×31	2.15	30×31	2.72	35×22	2.10
	22×51	2.75	25×41	2.75			35×42	3.50
							35×47	3.70
15000	22×41	2.50	25×36	2.40	30×26	2.50		
			25×46	3.10	30×36	3.10		
18000	22×46	2.80	25×41	2.60	30×31	2.65	35×32	3.45
			25×51	3.50	30×41	3.40		
22000			25×46	2.95	30×36	2.90	35×27	2.90
					30×46	3.80	35×37	3.80
27000			25×51	3.40	30×41	3.25		
					30×51	4.25	35×32	3.35
							35×42	4.25
33000					30×46	3.70	35×37	3.65
							35×47	4.50

Case Size

Ø D×L (mm)

WV Cap (UF)	35							
	22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
680								
820			25×21	0.85				
1000	22×26	1.00						
1200	22×21	1.30	25×26	1.40				
	22×31	1.45			30×21	1.40		
1500	22×36	1.55	25×31	1.55				
1800	22×26	1.55	25×31	1.65	30×26	1.75	35×22	1.70
	22×41	1.45						
2200	22×46	1.95	25×36	1.95	30×31	1.95		
2700	22×31	2.05	25×26	2.00	30×21	2.05	35×27	2.30
			25×46	2.35	30×36	2.30		
3300	22×26	1.75	25×31	2.20			35×32	2.65
	22×36	2.25	25×51	2.70	30×41	2.70		
3900	22×41	2.40	25×36	2.30	30×21	1.85	35×22	2.50
					30×26	2.40	35×37	3.00
					30×46	3.00		
4700	22×31	2.20	25×26	2.15	30×31	2.55	35×42	3.55
	22×46	2.70			30×51	3.55		
	22×36	2.35	25×31	2.25			35×22	2.25
5600	22×41	3.00	25×41	3.00			35×27	2.85
	22×51	2.60					35×47	3.80
6800					30×26	2.60		
					30×36	3.30	35×32	3.05
							35×52	4.15
8200	22×46	2.90	25×41	2.70	30×31	2.75		
					30×41	3.60	35×37	3.30
10000			25×46	3.05	30×36	3.00		
					30×51	3.80	35×27	3.20
							35×42	3.70
12000			25×51	3.45	25×51	3.30	35×32	3.40
							35×37	4.10
							35×47	3.80
15000					30×46	3.80	35×52	4.80
18000					30×51	4.30	35×42	4.15
22000							35×47	4.70

Case Size

Ø D×L (mm)

WV Cap (UF)	50							
	22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
680	22×26	1.00						
820	22×21	1.00						
	22×31	1.25	25×21	1.35				
1000			25×21	1.50				
1200								
1500	22×21	1.55	25×36	2.15	30×21	1.80		
	22×31	1.80			30×26	2.15		
	22×46	2.20						
1800	22×51	2.45	25×21	1.65			35×27	2.40
			25×26	2.15				
			25×41	2.45				
2200	22×26	1.85	25×31	2.30	30×36	2.60	35×22	2.60
	22×36	2.35	25×51	2.65			35×32	2.60
2700	22×46	2.45			30×26	2.60		
			25×36	2.50	30×46	3.00	35×37	2.95
3300	22×36	2.20			30×31	2.80		
	22×51	2.80	25×41	2.80	30×51	3.30	35×42	3.25
3900							35×22	2.45
	22×41	2.45	25×31	2.50	30×26	2.35	35×27	3.15
			25×46	3.00	30×36	3.00	35×47	3.50
4700								
	22×46	2.60	25×36	2.70	30×41	3.30	35×32	3.35
			25×51	3.40			35×52	3.90
5600								
			25×41	2.90	30×46	3.60	35×37	3.60
6800								
					30×36	3.25		
8200								
					30×51	4.10	35×42	3.95
					30×41	3.55	35×32	3.65
10000							35×47	4.40
					30×46	4.00	35×37	4.00
12000							35×52	5.50
							35×42	4.35
15000								
18000								
22000							35×52	4.70

Case Size

Ø D×L (mm)

WV Cap (UF)	63							
	22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
680	22×26	1.75						
820	22×21	1.30	25×21	1.65	30×21	1.90		
	22×31	1.90	25×26	1.85				
1000	22×26	1.85						
	22×36	2.05	25×31	2.00				
1200	22×31	1.95	25×21	1.65	30×21	1.95		
	22×41	2.25	25×26	1.90	30×26	2.20	35×22	2.30
1500	22×26	1.90						
	22×36	2.15	25×31	2.10				
	22×46	2.60	25×36	2.65				
1800	22×31	2.00	25×26	2.00	30×21	2.05	35×22	2.45
	22×41	2.35	25×41	2.90	30×26	2.35	35×27	2.70
	22×51	2.90			30×31	2.90		
2200	22×36	2.20	25×31	2.15			35×22	2.10
	22×46	2.70	25×36	2.75	30×31	2.50		
			25×46	3.25	30×36	3.20		
2700	22×41	2.45	25×36	2.35	30×26	2.50	35×27	2.95
			25×46	2.80	30×36	2.75	35×32	3.65
					30×46	3.30		
3300	22×46	2.80	25×41	2.60	30×31	2.70	35×32	3.15
			25×51	3.20	30×41	3.20	35×37	4.00
					30×51	3.80		
3900			25×46	2.85	30×36	2.85		
					30×46	3.35	35×37	3.35
							35×42	4.30
4700							35×32	3.20
			25×51	3.20	30×41	3.10		
					30×51	3.80	35×52	4.50
5600					30×46	3.45	35×37	3.40
							35×42	4.35
6800					30×51	3.90	35×42	3.75
							35×52	4.60
8200							35×47	4.20
10000							35×52	4.80

Case Size

Ø D×L (mm)

WV Cap (UF)	100							
	22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
680	22×26	1.75						
	22×36	2.15	25×31	2.10				
	22×46	2.65	25×36	2.70				
820	22×31	1.85	25×26	1.80	30×21	1.90		
	22×41	2.40			30×26	2.35	35×22	2.00
	22×51	3.00	25×41	3.00			35×27	2.85
1000	22×46	2.70	25×36	2.35	30×31	3.00		
			25×41	3.10	30×36	3.30	35×32	3.05
			25×51	2.35				
1200	22×41	2.20	25×31	2.75	30×26	2.20	35×22	2.30
	22×51	3.00			30×31	3.05	35×27	2.90
					30×41	3.60	35×37	3.30
1500	22×46	2.55	25×36	3.60	30×36	3.40	35×32	3.40
			25×51	3.20	30×51	3.90	35×42	3.95
1800	22×51	2.85	25×41	2.85	30×31	2.90	35×27	2.75
					30×41	3.70	35×37	3.40
							35×47	4.15
2200			25×46	3.20	30×36	3.20	35×32	3.00
					30×51	3.95	35×42	3.80
							35×52	4.75
2700					30×41	3.55	35×37	3.25
							35×47	4.30
3300					30×51	3.75	35×52	4.95
3900							35×42	4.30
4700							35×52	4.50