

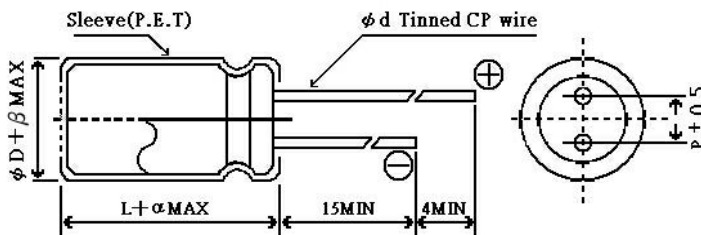
### AS series

Miniature Sized, High Ripple Current, Long Life  
 • Suited for ballast application.

#### SPECIFICATIONS

Item	Performance Characteristics					
Operating Temperature Range	-25~+105°C					
Voltage Range	200~450V					
Capacitance Range	15~390 μF					
Capacitance Tolerance	±20% at 120Hz, 20°C					
Leakage Current	After 2 minutes application of rated voltage, leakage current is 0.06CV+10(μA) or less.					
Tan δ	Measurement frequency: 120Hz, Temperature: 20°C					
	Rated voltage (V)	200	250	400	420	450
	Tan δ (MAX.)	0.12	0.12	0.15	0.20	0.20
Stability at Low Temperature	Measurement frequency: 120Hz					
	Rated Voltage (V)	200	250	400	420	450
	Impedance Ratio ZT/Z20 (MAX.)	Z-25°C/Z+20°C	3	3	8	8
Load Life	After an application of D.C. bias voltage plus the rated ripple current for 5000 hours at 105°C the peak voltage shall not exceed the rated D.C. voltage, the capacitors meet the characteristic requirements shown on the right.					
	Capacitance Change	Within ±20% of initial value				
	Tan δ	Not exceeding 200% of initial specified value				
Shelf Life	After storing capacitors under no load at 105°C for 1000 hours. they will meet the specified value for endurance characteristics listed above.					
	Leakage Current	Not exceeding Initial specified value				

#### RADIAL LEAD TYPE



φD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
φd	0.6	*0.6	0.8	0.8
β	0.5	0.5	0.5	0.5

α	(L<20) 1.5
	(L≥20) 2.0

#### Frequency Coefficient of Allowable Ripple Current

Frequency	50Hz	120Hz	300Hz	1KHz	10kHz~
Coefficient	0.80	1.00	1.25	1.40	1.60

#### DIMENSIONS

D×L (mm)

W. V. (Code)		200V(2D)		250V(2E)		400V(2G)		420(W6)		450V(2W)	
S. V.		250		300		450		470		500	
Cap(μF)											
15	150									10×31.5	160
18	180							10×31.5	170	12.5×25	190
22	220					10×31.5	210	12.5×25	200	12.5×31.5	230
27	270					12.5×25	240	12.5×31.5	240	12.5×31.5	270
33	330					12.5×31.5	290	12.5×31.5	270	16×25	290
39	390					12.5×31.5	320	16×25	310	16×31.5	330
47	470			10×31.5	280	16×25	380	16×31.5	360	16×31.5	400
56	560			12.5×25	310	16×31.5	420	16×31.5	430	16×35.5	460
68	680	10×31.5	350	12.5×31.5	360	16×31.5	460	16×35.5	510	18×31.5	490
								18×31.5			
82	820	12.5×25	410	12.5×31.5	410	16×31.5	500	16×31.5	570	18×35.5	560
100	101	12.5×31.5	480	16×25	470	16×35.5	580	18×35.5	610	18×40	670
120	121	12.5×31.5	530	16×31.5	550	18×35.5	670	18×40	660	18×40	700
150	151	16×31.5	640	16×31.5	640	18×40	770	18×40	680	18×45	750
180	181	16×31.5	720	16×35.5	740	18×45	800				
				18×31.5							
220	221	16×31.5	760	18×35.5	850						
		18×31.5	810								
270	271	16×35.5	880	18×40	970						
330	331	18×35.5	1010								
390	391	18×40	1130								
										Case size	Allowable Ripple

Allowable Ripple ( mA rms ) at 105°C 120Hz