

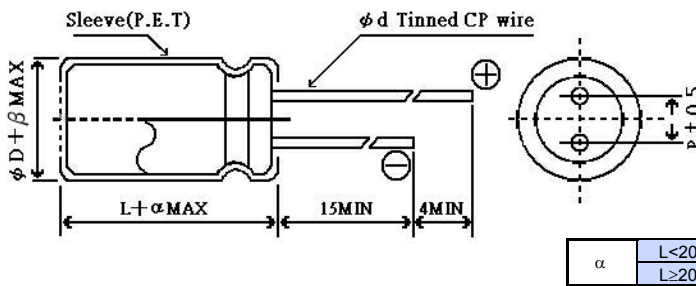
BY series

- Miniature Sized, High Ripple Current, High Reliability
- Long Life product withstanding load life of 8000 to 10000 hours at +105°C.
- Suited for ballast application.

SPECIFICATIONS

Item	Performance Characteristics	
Operating Temperature Range	-40~+105°C	
Voltage Range	160~450V	
Capacitance Range	6.8~560 μF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	After 1 minute application of rated voltage, leakage current is not more than 0.04CV+100(μA).	
Tan δ	Measurement frequency: 120Hz, Temperature: 20°C	
	Rated voltage (V)	160 200 250 350 400 450
	Tan δ (MAX.)	0.20 0.20 0.20 0.24 0.24 0.24
Stability at Low Temperature	Measurement frequency: 120Hz	
	Rated Voltage (V)	160 200 250 350 400 450
	Impedance Ratio ZT/Z 20 (MAX.)	Z-25°C/Z+20°C 3 3 3 5 5 5
Load Life	After an application of D.C. bias voltage plus the rated ripple current for 10000 hours (φD=10 8000 hours) at 105°C the peak voltage shall not exceed the rated D.C. voltage, capacitors meet the characteristic requirements listed at right.	
	Capacitance Change	Within ±20% of initial value
	Tan δ	Not exceeding 200% of initial specified value
	Leakage Current	Not exceeding 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.	

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

Frequency Coefficient of Allowable Ripple Current

Frequency	50Hz	120Hz	1KHz	10KHz	100kHz~
Coefficient	0.8	1.0	1.6	1.8	2.0

DIMENSIONS

Cap(μF)	W.V. S.V.	D×L (mm)											
		160V(2C)		200V(2D)		250V(2E)		350V(2V)		400V(2G)		450V(2W)	
		200	250	300	400	450	500						
6.8	6R8							10×16	130	10×16	140	10×20	110
10	100								160	10×20	150	12.5×20	180
12	120												
15	150							10×20	180	10×20	180	12.5×25	240
18	180							10×20	215	10×25	235		
22	220		10×16	225	10×16	225		10×25	255	10×25	275	16×20	290
27	270		10×16	235	10×20	255	10×31.5	305	12.5×20	325	12.5×20	360	
33	330	10×16	260	10×20	305	10×20	305	12.5×20	400	16×20	450	16×25	390
39	390	10×16	295	10×20	325	10×25	345	12.5×25	455	12.5×31.5	465	18×20	380
47	470	10×20	375	10×20	360	10×31.5	405	12.5×25	510	16×20	520	18×25	480
				12.5×20	490	12.5×20	490	16×20	540	18×20	590		
56	560	10×20	380	10×25	415	12.5×20	515	12.5×31.5	590	12.5×35.5	630		
								16×20	656	16×25	585		
										18×20	600		
68	680	10×25	455	10×31.5	485	12.5×25	615	12.5×35.5	695	12.5×40	720	18×31.5	630
		12.5×20	590	12.5×20	650	16×20	650	16×25	700	18×25	735		
								18×20	660				
82	820	10×31.5	534	12.5×25	645	12.5×31.5	715	12.5×40	785	16×31.5	805	18×35.5	715
		12.5×20	640	16×20	690	16×20	690	16×31.5	740	18×25	765		
								18×25	765				
100	101	12.5×20	645	12.5×25	695	12.5×35.5	785	16×31.5	825	16×35.5	850	18×40	800
				16×20	710	16×20	715	18×25	790	18×31.5	875		
				12.5×31.5	810	12.5×40	890	16×35.5	925				
120	121	12.5×25	760	16×20	775	16×25	845	18×31.5	940				
						18×20	815						
150	151	12.5×31.5	905	12.5×35.5	965								
		16×20	945	16×25	945	18×25	970	18×35.5	1080	18×40	1030		
				18×20	910								
180	181	12.5×35.5	1050	12.5×40	1090								
		16×20	1000	16×25	1035			18×40	1205				
220	221	12.5×40	1200	16×31.5	1230								
		16×25	1185	18×25	1185								
		18×20	1105										
270	271	18×25	1235	16×35.5	1400	18×35.5	1450						
				18×31.5	1410								
330	331	16×31.5	1510	18×31.5	1560	18×45	1600						
		18×25	1445										
390	391	18×31.5	1695	18×40	1780								
470	471	18×35.5	1920										
560	561	18×40	2130									Case size	Allowable Ripple

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