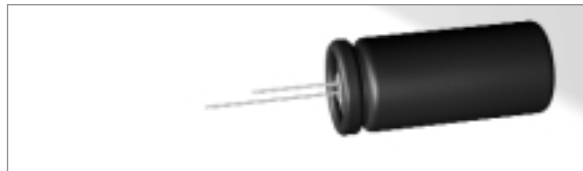


LBP Series 105 °C

Features

- The BP series is designed for horizontal deflection current in TV sets where high frequency and high ripple current flows.
- Low dissipation factor at high frequency.
- For detail specifications, please refer to Engineering Bulletin No. E111

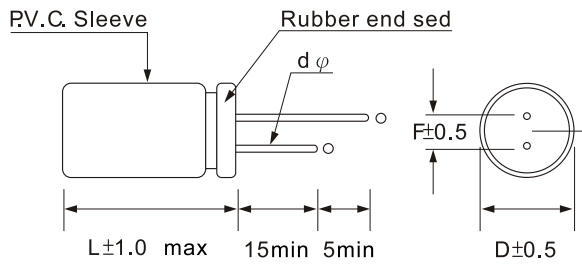


Specifications

Item	Performance Characteristics								
Operating Temperature Range	-40°C to +105 °C								
Rated voltage Range	25, 50, 63 VDC								
Capacitance Range	2.2 to 15 uF								
Capacitance Tolerance	±10 % (120 Hz, +20 °C)								
Leakage Current (+20 °C, max.)	1 = 100 (uA) max. After 1 minute with rated working voltage applied.								
Dissipation Factor (tan δ)	Less than 3 % (+ 20 °C, at 120 Hz, max.)								
Low Temperature Characteristics (120 Hz)	Impedance ratio max.								
	<table border="1"> <thead> <tr> <th>Working Voltage (VDC)</th> <th>25</th> <th>60</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z-40 °C/Z+20 °C</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table>	Working Voltage (VDC)	25	60	63	Z-40 °C/Z+20 °C	4	4	4
	Working Voltage (VDC)	25	60	63					
Z-40 °C/Z+20 °C	4	4	4						
Load Life	Test conditions Duration time: 2000 Hrs Ambient temperature: +105 °C Applied voltage: Rated DC working voltage After test requirements: at + 20 % Capacitance change: ≤ ± 15% of the initial measured value Dissipation factor: ≤ 150 % of the initial specified value Leakage current: ≤ The initial specified value								
Shelf Life	Test conditions Duration time: 500 Hrs Ambient temperature: + 105°C Applied voltage: None After test requirements at +20 °C: Some limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.								

Multiplier for Ripple Current vs. Temperature

Temperature °C	45	60	85	95	105
Multier	2.10	1.90	1.65	1.25	1.00

Diagram of Dimensions: (unit: mm)


Dφ	10	13	16	18	22
F	5.0	5.0	7.5	7.5	10
dφ	0.6		0.8		

Case Size and Maximum Ripple Current

(Unit = mm)

(Unit A P-P, 15.75 KHz at 105 °C)

uF	Size	Wv	Max Ripple Current (at 15.75 KHz Unit: A P-P)		
	D x L (mm)		105 °C	85 °C	70 °C
2.2	13x25	25 v, 50 v, 63 v	3.4A P-P	5.8A P-P	7.5A P-P
3.3	16x25	25 v, 50 v, 63 v	4.1A P-P	7.0A P-P	9.1A P-P
4.7	16x31.5	25 v, 50 v, 63 v	4.5A P-P	7.8A P-P	10A P-P
6.8	16x35.5	25 v, 50 v, 63 v	4.6A P-P	8.0A P-P	10.4 AP-P
10	18x35.5	25 v, 50 v, 63 v	4.9A P-P	8.6A P-P	11.1A P-P
12	18x41	25 v, 50 v, 63 v	5.0A P-P	8.8A P-P	11.5A P-P
15	18x41	25 v, 50 v, 63 v	5.4A P-P	9.5A P-P	12.2A P-P