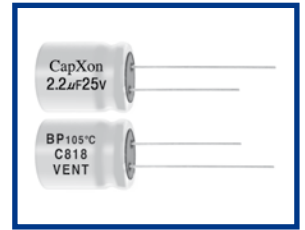


BP Series Bi-polarized

Features

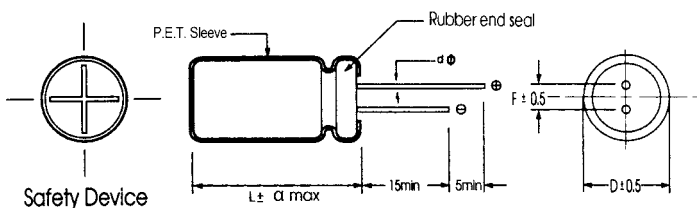
- ◆ The BP Series is designed for horizontal deflection current in TV sets where high frequency and high ripple current flows.
- ◆ Low dissipation factor at high frequency.
- ◆ For detail specifications, please refer to Engineering Bulletin No. E111
- ◆ RoHS Compliant



Specifications

Item	Performance Characteristics								
Operating Temperature Range	-40 to +105°C								
Rated Voltage Range	25,50,63 VDC								
Capacitance Range	2.2 to 15 µF								
Capacitance Tolerance	± 10% (120Hz, +20°C)								
Leakage Current (+20°C,max.)	I ≤ 100 (µA) After 1 minute with rated working voltage applied.								
Dissipation Factor (tan δ · at 20°C · 120Hz)	Less than 3% (+20°C,at 120Hz)								
Low Temperature Characteristics (at 120Hz)	Impedance ratio max <table border="1"> <thead> <tr> <th>Working Voltage (VDC)</th> <th>25</th> <th>50</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	50	63	Z-40°C / Z+20°C	4	4	4
Working Voltage (VDC)	25	50	63						
Z-40°C / Z+20°C	4	4	4						
Load Life	Test conditions Duration time :2000Hrs Ambient temperature :+105°C Applied voltage :Rated DC working voltage After test requirement at +20°C 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 :1000Hrs Ambient temperature :+105°C Applied voltage :None After test requirement at +20°C:Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.								

Diagram of Dimensions:(unit:mm)



D φ	10	13	16	18	22
F	5.0	5.0	7.5	7.5	10
d φ	0.6		0.8		

α	D < 18	D = 18		D > 18
		L < 35.5	L ≥ 35.5	
	1.5	1.5	2.0	2.0

Case Size

Cap(μ F)	Size	WV	Max Ripple Current (at 15.75K Hz Unit:A P-P)		
			105°C	85°C	70°C
2.2	13x25	25v, 50v, 63v	3.4a p-p	5.8 a p-p	7.5 a p-p
3.3	16x25	25v, 50v, 63v	4.1a p-p	7.0 a p-p	9.1 a p-p
4.7	16x31.5	25v, 50v, 63v	4.5 a p-p	7.8 a p-p	10 a p-p
6.8	16x35.5	25v, 50v, 63v	4.6 a p-p	8.0 a p-p	10.4 a p-p
10	18x35.5	25v, 50v, 63v	4.9 a p-p	8.6 a p-p	11.1 a p-p
12	18x41	25v, 50v, 63v	5.0 a p-p	8.8 a p-p	11.5 a p-p
15	18x41	25v, 50v, 63v	5.4 a p-p	9.5 a p-p	12.2 a p-p

ϕ DxL(mm)

Ripple Current (A, rms) at 15.75KHz