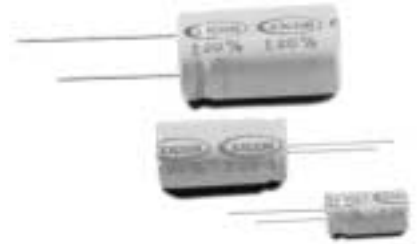


# Bi-Polar High Frequency Electrolytic Capacitors BPHR Series



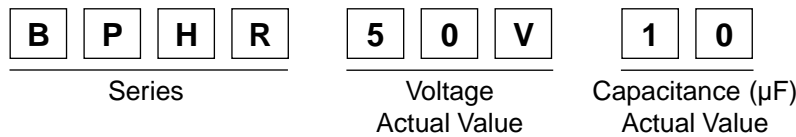
## FEATURES

- Bi-polarized, made for horizontal deflection circuit correction of video monitors
- Long life and stable temperature characteristics
- Low cost compared with film capacitors
- High permissible ripple current at high frequency
- Satisfies characteristic W of JIS-C-5141 standard

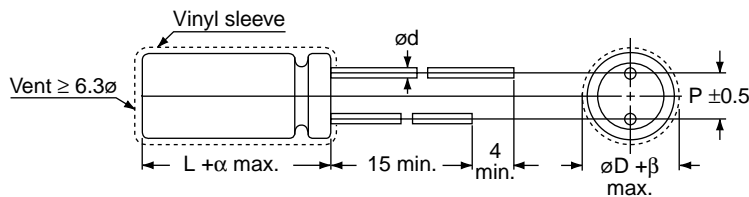
## CHARACTERISTICS

Item	Characteristics	
Operating Temperature Range	-40°C ~ +85°C	
Capacitance Tolerance	±20% at +20°C, 120Hz	
Leakage Current	I = 0.2CWV after 2 minutes of applied rated DC working voltage at 20°C Where: C = rated capacitance in μF; WV = rated DC working voltage	
Dissipation Factor (Tan δ)	0.05 at +20°C, 120Hz	
Surge Voltage	Working voltage (WV)	50
	Surge Voltage (sV)	63
Low Temperature Characteristics	Capacitance at +20°C shall be within ±10% of the value at +20°C	
Life Test	When returned to +20°C after 1,000 hours application of working voltage with the polarity reversed every 250 hours at +85°C, the capacitor will meet the following limits: Capacitance change is ≤ ±15% of initial value; tan δ is < 200% of initial specified value; leakage current is ≤ initial specified value	
Shelf Test	When returned to +20°C after 500 hours +85°C with no voltage applied, the capacitor will meet the following limits: Capacitance change is ≤ ±15% of initial value; tan δ is < 200% of initial specified value; leakage current is within initial specified value	

## PART NUMBERING SYSTEM



## DIMENSIONS AND PERMISSIBLE RIPPLE CURRENT



Lead Spacing and Diameter (mm)

øD	13	16
P	5.0	7.5
ød	0.6	0.8
β	0.5	0.5
α	2.0	2.0

Dimensions: øD x L (mm); Ripple Current: mA/RMS @ 15.75KHz, 85°C

Working Voltage: 50WVDC					
Value	øD x L	Ap-p	Value	øD x L	Ap-p
1	13 x 25	2.96	6.8	16 x 31.5	5.5
2.2	16 x 25	3.45	8.2	16 x 35.5	6.37
3.3	16 x 25	3.65	10	16 x 35.5	6.8
4.7	16 x 31.5	4.54			

