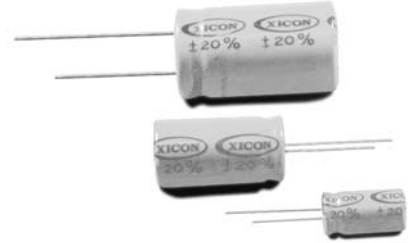




Bi-Polar High Frequency Electrolytic Capacitors BPHR Series

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
- RoHS Compliant



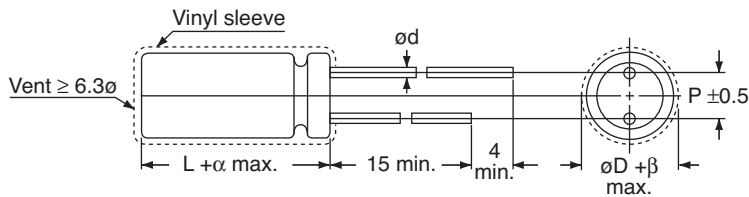
CHARACTERISTICS

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 $\leq \pm 15\%$ of initial value; tan δ is < 200% of initial specified value; leakage current is $\leq$ 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 $\leq \pm 15\%$ of initial value; tan δ is < 200% of initial specified value; leakage current is within initial specified value	

PART NUMBERING SYSTEM

1	4	0	-	B	P	H	R	5	0	V	1	0	-	R	C
Prefix				Series				Voltage Actual Value			Capacitance (μF) Actual Value			Suffix (RoHS Compliant)	

DIMENSIONS AND PERMISSIBLE RIPPLE CURRENT



Lead Spacing and Diameter (mm)

ϕD	13	16
P	5.0	7.5
ϕd	0.6	0.8
β	0.5	0.5
α	2.0	2.0

Dimensions: $\phi D \times L$ (mm); Ripple Current: mA/RMS @ 15.75KHz, 85°C

Working Voltage: 50WVDC					
Value	$\phi D \times L$	Ap-p	Value	$\phi D \times L$	Ap-p
1	13 x 26	2.96	6.8	16 x 36	5.5
2.2	16 x 25	3.45	8.2	16 x 36	6.37
3.3	16 x 25	3.65	10	16 x 36	6.8
4.7	16 x 25	4.54			

Specifications are subject to change without notice. No liability or warranty implied by this information. Environmental compliance based on producer documentation.

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