

Bi-Polarized High Ripple 105°C 2000HR 無極性高紋波品

Features

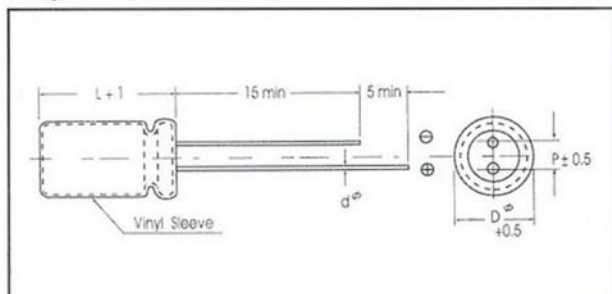
- The BP series is designed for horizontal deflection current in the TV sets where high frequency and high ripple current flows.
- Small dissipation factor at high frequency.

Specifications

Items	Performance Characteristics								
Operating Temperature Range	-40 to +105°C								
Rated Working Voltage Range	6.3V 25V 50V								
Nominal Capacitance Range	2.2 to 15 μ F								
Capacitance Tolerance	$\pm 20^\circ\text{C}$ (120Hz, +20°C)								
Leakage Current	$I \leq 100\mu\text{A}(\text{max})$								
Dissipation Factor ($\tan \delta$) (120Hz, +20°C)	Less than 3% (+20°C, at 120Hz)								
Characteristics at Low Temperature	Impedance ratio max. at 120Hz <table border="1" style="margin-left: 20px;"> <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						
High Temperature Loading	Test conditions Duration time :2000Hrs Ambient temperature :+105°C Applied voltage :Rate DC working voltage After test requirements at +20°C Capacitance change : $\leq \pm 15\%$ of the initial measured value Dissipation factor : $\leq 150\%$ of the initial specified value Leakage current : \leq The initial specified value								
Shelf Life	Test conditions Duration time :1000Hrs Ambient temperature :+105°C Applied voltage :None After test requirements 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		

Case Size Table

$\phi D \times L$ (mm)

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

Ripple Current (A, rms) at 15.75KHz