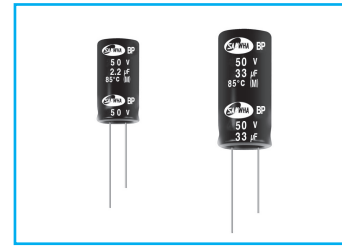


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

BP For Speaker Networks Series

NP Non-polarized **S** Solvent Proof

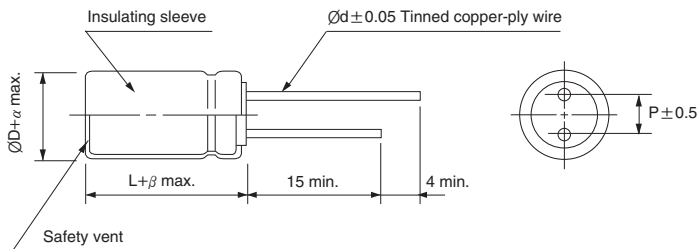


- Non-polarized series for crossover networks in Hi-Fi sound systems
- Excellent frequency characteristics
- Close capacitance tolerance
- Extended voltage range of 25V, 50V, 100V, 200V
- Complied to the RoHS directive

Item	Characteristics															
Operating temperature range	-40 ~ +85°C															
Leakage current max.	$I = 0.03CV$ or $3\mu A$ whichever is greater (after 5 minutes)															
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C															
Dissipation factor max. (at 120Hz, 20°C)	<table border="1"> <thead> <tr> <th rowspan="2">Frequency</th> <th>Series</th> <th colspan="2">BP</th> </tr> <tr> <th></th> <th>25WV, 50WV, 100WV</th> <th>200WV</th> </tr> </thead> <tbody> <tr> <td>1kHz</td> <td></td> <td>0.10</td> <td>0.12</td> </tr> <tr> <td>5kHz</td> <td></td> <td>0.15</td> <td>0.30</td> </tr> </tbody> </table>	Frequency	Series	BP			25WV, 50WV, 100WV	200WV	1kHz		0.10	0.12	5kHz		0.15	0.30
	Frequency		Series	BP												
			25WV, 50WV, 100WV	200WV												
	1kHz		0.10	0.12												
5kHz		0.15	0.30													
Load life (after application of the rated voltage for 2000 hours at 85°C)	Leakage current	Less than specified value														
	Capacitance change	Within $\pm 15\%$ of initial value														
	$\tan\delta$	Less than 200% of specified value														
	Test method	Polarity reverse each 250 hours														
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and $\tan\delta$ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4															

DRAWING

Unit : mm



ØD	8	10	12.5	16	18	22
P	3.5	5.0	5.0	7.5	7.5	10.0
Ød	0.6	0.6	0.6	0.8	0.8	1.0
β	1.5	2.0		3.0		
α	0.5		1.0			

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV \ µF	1.0	1.5	2.2	3.3	4.7	6.8	10	15	22	33	47	68	100
25	8×11.5 67	8×11.5 82	10×12.5 114	10×12.5 139	10×12.5 166	10×16 222	10×20 297	10×20 364	10×20 440	12.5×20 678	12.5×25 890		
50	8×11.5 67	8×11.5 82	10×12.5 114	10×12.5 139	10×12.5 166	10×16 222	10×20 297	10×20 364	10×20 440	12.5×20 678	12.5×25 890	16×31.5 950	16×35.5 1170
100	10×16 100	10×16 125	10×16 150	10×16 185	10×16 225	10×20 275	12.5×20 340	12.5×20 420	12.5×25 543	16×25 737	16×31.5 790	16×35.5 983	16×40 1253
200							16×25 403	16×31.5 540	16×35.5 687	16×40 884	18×40 920	22×40 1218	

Case size ØD×L (mm)
Ripple current (mA rms) at 85°C, 1kHz