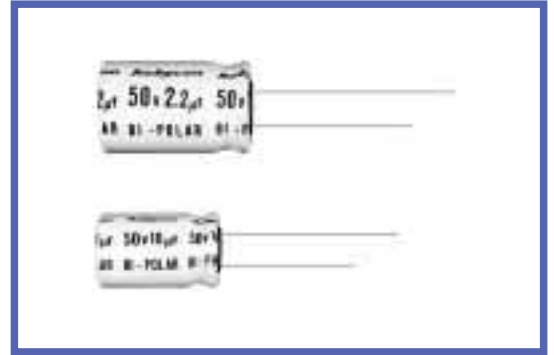


**BIW SERIES**
**For speaker network**

**◆ SPECIFICATIONS**

Items	Characteristics														
Operating Temperature	-40~+85°C														
Rated Voltage Range	50V.DC														
Capacitance Tolerance	P:±15% P grade	D:±20% D grade	(20°C, 1kHz)												
Leakage Current(MAX)	I=0.03CV+4µA (After 5 minutes application of rated voltage) I= Leakage Current(µA) C=Nominal Capacitance(µF) V=Rated Voltage(V)														
Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Frequency</th> <th>1kHz</th> <th>10kHz</th> <th>(20°C)</th> </tr> </thead> <tbody> <tr> <td>P grade</td> <td>0.05</td> <td>0.15</td> <td></td> </tr> <tr> <td>D grade</td> <td>0.15</td> <td>0.50</td> <td></td> </tr> </tbody> </table>			Frequency	1kHz	10kHz	(20°C)	P grade	0.05	0.15		D grade	0.15	0.50	
Frequency	1kHz	10kHz	(20°C)												
P grade	0.05	0.15													
D grade	0.15	0.50													
Load Life	After applying rated voltage with max ripple current for 1000hrs at 85°C, (The polarity shall be reversed every 500hrs.), the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table>			Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.						
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**◆ MULTIPLIER FOR RIPPLE CURRENT**

(1) Frequency coefficient

**P grade**

Frequency(Hz)	60(50)	120	1k	10k≤
Coefficient	0.40	0.50	1.00	1.50

**D grade**

Frequency(Hz)	60(50)	120	1k	10k≤
Coefficient	0.50	0.70	1.00	1.50

(2) Temperature coefficient

Ambient Temperature(°C)	85	70	50≥
Coefficient	1.0	1.6	2.0

◆ **DIMENSIONS**

(mm)

øD	6.3	8	10	12.5	16	18
ød	0.5	0.6		0.8		
F	2.5	3.5	5.0		7.5	
α	L ≤ 16 : α = 1.5    L ≥ 20 : α = 2					

◆ **STANDARD SIZE, MAX. PERMISSIBLE RIPPLE CURRENT**

P grade

Size øDxL(mm), Ripple Current (mA r.m.s./85°C, 1kHz)

WV(V.DC) Cap(μF)	50(1H)	
	Size	Ripple
1	10x20	60
1.5	10x20	76
2.2	12.5x20	96
3.3	16x25	144
4.7	16x25	192
6.8	16x31.5	228
10	18x40	264

D grade

Size øDxL(mm), Ripple Current (mA r.m.s./85°C, 1kHz)

WV(V.DC) Cap(μF)	50(1H)	
	Size	Ripple
1	6.3x11	27
1.5	6.3x11	30
2.2	8x11.5	34
3.3	8x11.5	60
4.7	8x11.5	76
6.8	10x12.5	94
10	10x16	112
15	10x20	138
22	12.5x20	234
33	12.5x25	288
47	16x25	360
68	16x31.5	450
100	16x31.5	540