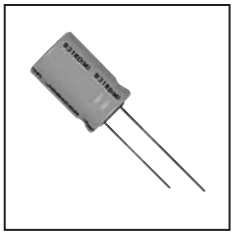
RADIAL TYPE

WB Series

High Temperature, For 125°C

JAMICON®

• High reliability withstanding 2000 hours load life at 125°C.

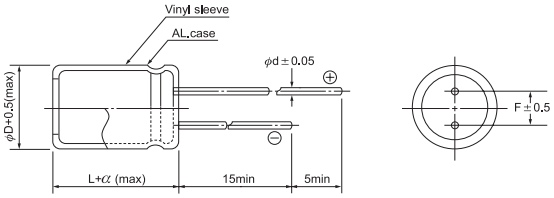


SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-40 ~ +125°C					
Rated Working Voltage	10 ~ 50VDC					
Capacitance Tolerance (120Hz 20°C)	±20%(M)					
Leakage Current (20°C)	I ≦0.01CV or 2 (μA) Whichever is greater after 2 minutes I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)					
Surge Voltage (20°C)	W.V.	10	16	25	35	50
	S.V.	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	10	16	25	35	50
	tan δ	0.20	0.16	0.14	0.12	0.10
Low Temperature Stability	Impedance ratio at 120Hz					
	Rated Voltage (V)	10	16	25	35	50
	-25°C / +20°C	3	2	2	2	2
	-40°C / +20°C	8	6	4	4	4
Load Life	After 2000 hours application of W.V. and +125°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≦ rate working voltage)					
	Capacitance Change	≦±25% of initial value				
	Dissipation Factor	≦200% of initial specified value				
	Leakage current	≦initial specified value				
Shelf Life	At +125°C no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (with voltage treatment)					

DIMENSIONS (mm)

φD	6.3	8	10	12.5
F	2.5	3.5	5.0	5.0
d	0.5	0.6	0.6	0.6
α	1.5	1.5	1.5	1.5



CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 125°C 120Hz

μF	V(Code) / Item / Code	10 (1A)		16 (1C)		25 (1E)	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
22	220				→	6.3x11	70
33	330		→	6.3x11	75	8x11.5	110
47	470	6.3x11	80	6.3x11	90	8x11.5	130
100	101	6.3x11	120	8x11.5	170	8x11.5	230
220	221	8x11.5	230	10x12.5	330	10x12.5	460
330	331	10x12.5	360	10x12.5	400	10x16	620
470	471	10x12.5	430	10x16	530	10x20	820
1000	102	10x20	760	12.5x20	970	12.5x25	1170

μF	V(Code) / Item / Code	35 (1V)		50 (1H)	
		DxL	R.C.	DxL	R.C.
10	100			8x11.5	70
22	220	8x11.5	100	8x11.5	110
33	330	8x11.5	120	8x11.5	130
47	470	8x11.5	140	8x11.5	150
100	101	10x12.5	270	10x12.5	290
220	221	10x16	530	10x20	590
330	331	10x20	720	12.5x20	900
470	471	12.5x20	970	12.5x25	960

All blank voltage on sleeve marking is the same voltage as" → "point to.