

# LARGE CAN TYPE

# BP Series

JAMICON®

- High temperature 105°C, high ripple current and high reliability.
- Aluminum can with threaded stud mounting.
- Long life for 5000 hours.



## ● SPECIFICATION

Item	Characteristic			
Operation Temperature Range	-40 ~ +105°C			
Rated Working Voltage	350 ~ 450VDC			
Capacitance Tolerance (120Hz 20°C)	±20%(M)			
Leakage Current (20°C)	I ≤ 0.02CV or 5 (μA) I : Leakage Current (μA)		*Whichever is smaller after 5 minutes C : Rated Capacitance (μF) V : Working Voltage (V)	
Surge Voltage (20°C)	W.V.	350	400	450
	S.V.	400	450	500
Dissipation Factor (tan δ) (120Hz 20°C)	Rated Voltage (V)	350	400	450
	tan δ	0.15	0.15	0.15
Low Temperature Stability	Impedance ratio at 120Hz			
	Rated Voltage (V)	350~450		
	-25°C / +20°C	8		
Load Life	After 5000 hours application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage)			
	Capacitance Change	≤ ±20% of initial value		
	Dissipation Factor	≤ 200% of initial specified value		
	Leakage current	≤ initial specified value		
Shelf Life	At +105°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (with voltage treatment)			

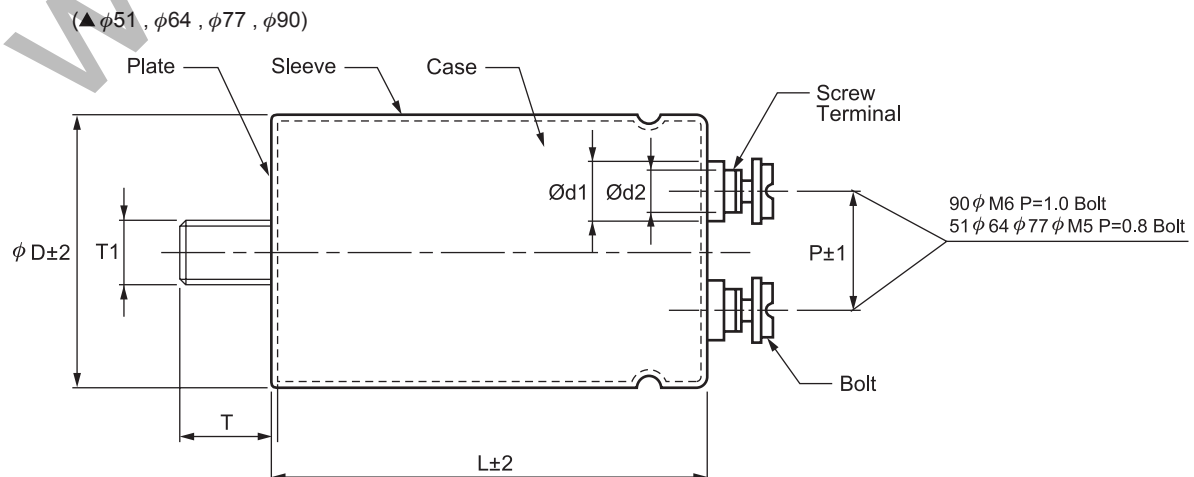
## ● TERMINAL TYPE

φD	P	d1(max)	d2	T	T1
51	22.0	11.0	7.88	16	12
64	28.5	12.0	7.88	16	12
77	31.8	11.9	7.88	16	12
90	31.6	14.0	13.0	17	12

## ● RIPPLE CURRENT COEFFICIENTS

Frequency(Hz)	60	120	300	1k	≥10k
Multiplier	0.70	1.00	1.10	1.30	1.40

Temperature(°C)	40	60	85	105
Multiplier	2.44	2.16	2.00	1.00



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)  
 Max ripple current : A(rms) 105°C 120Hz

μF	V(Code) Code	φD	350 (2V)				400 (2G)				450 (2W)			
			51	64	77	90	51	64	77	90	51	64	77	90
1000	102	102	75				75				96			
			4.3				4.3				4.8			
1200	122	122	75				96				115			
			4.7				5.2				5.7			
1500	152	152	96				115				130			
			5.8				6.3				6.7			
1800	182	182	96				130				96			
			6.4				7.3				6.9			
2200	222	222	130					96			115			
			8.1					7.6			8.2			
2700	272	272	96					115			130	115		
			8.4					9.1			9.6	9.8		
3300	332	332	115					130			155	130		
			10.1					10.6			11.5	11.4		
3900	392	392	130					155	115		195			
			11.5					12.5	11.8		13.9			
4700	472	472	155	115				195	130			155		
			13.7	12.9				15.2	13.6			14.7		
5600	562	562	195	130				195	155			195	157	
			16.6	14.9				16.6	16.1			17.8	16.6	
6800	682	682	144							157			196	
			17.1								18.3			20.1
6800	682	682	155											
			17.7											
8200	822	822				157				157			196	
						20.1					20.1			22.1
10000	103	103				157				196			236	
						22.1					24.4			26.6
12000	123	123				196				236				
						26.8					29.1			
15000	153	153				236								
						32.5								

