

LARGE CAN TYPE

XP

Series

Screw Terminal, Wide Temperature Range

JAMICON

- High temperature 105°C, high ripple current and high reliability.
- Long life for 5000 hours.
- Corresponding product to RoHS



● SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-40 ~ +105°C					
Rated Working Voltage	200 ~ 450VDC					
Capacitance Tolerance (120Hz 20°C)	$\pm 20\%$ (M)					
Leakage Current (20°C)	I $\leq 0.02CV$ or 5 (mA) I : Leakage Current(μ A) C : Rated Capacitance(μ F) V : Working Voltage(V)	*Whichever is smaller after 5 minutes				
Surge Voltage (20°C)	W.V. S.V.	200 250	250 300	350 400	400 450	450 500
Dissipation Factor (tan δ)(MAX) (120Hz 20°C)	W.V. tan δ	200 0.20	250 0.20	350 0.15	400 0.15	450 0.15
Impedance ratio at 120Hz						
Low Temperature Stability	Rated Voltage (V)					
	-25°C / +20°C	200~450				
After 5000 hours application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage \leq rate working voltage)						
Load Life	Capacitance Change	$\leq \pm 20\%$ of initial value				
	Dissipation Factor	$\leq 200\%$ of initial specified value				
	Leakage current	\leq 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)					

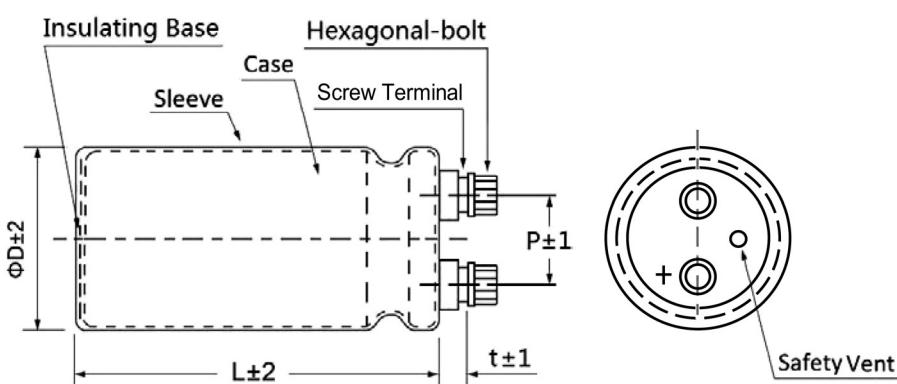
● TERMINAL TYPE

ϕD	P	t	Hexagonal-bolt
51	22.2	6.3	M5 × 0.8 × 10
64	28.5	6.3	M5 × 0.8 × 10
77	31.8	5.8	M5 × 0.8 × 10
90	31.6	5.8	M6 × 1.0 × 10

● RIPPLE CURRENT COEFFICIENTS

Frequency(Hz)	60	120	300	1k	$\geq 10k$
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



※Clamp enclosed and Hexagonal-bolt with box, not locked to cap body

LARGE CAN TYPE

● CASE SIZE & MAX RIPPLE CURRENT

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

μF	V(DC) ϕD	200				250				350			
		51	64	77	90	51	64	77	90	51	64	77	90
680													
1000										75			
1200										3.06			
1500						80				75			
1800						2.41				3.35			
2200	80 2.92					100				96			
2700						3.21				4.17			
3300	100 3.94						100			96			
3900							4.47			4.57			
4700		100 5.13						121		130			
5600								5.80		5.78			
6800		121 6.71							121				
8200									7.15				
10000			121 8.31							145			
12000										9.39			
15000				144 10.98						171			
22000					145 11.40					12.36			
33000						236				236			
						17.34							L(mm) R.C.

μF	V(DC) ϕD	400				450			
		51	64	77	90	51	64	77	90
1000		75				96			
	3.40					4.25			
1200		96				115			
	4.14					5.05			
1500		115				130			
	5.02					5.97			
1800		130					96		
	5.81						6.20		
2200		130	96				115		
	6.43		6.22				7.41		
2700			115				130	115	
	7.45						8.67	8.69	
3300			130				155	130	
	8.69						10.37	10.14	
3900			155	115			195		
	10.23		9.18				12.53		
4700		195	130					155	
	12.47		10.62					13.07	
5600		195	155					195	157
	13.61		12.53					15.82	14.89
6800					157				196
					14.73				18.10
8200					157				196
					16.17				19.88
10000					196				236
					19.70				23.88
12000					236				L(mm) R.C.