

LARGE CAN TYPE

XP

Series

Screw Terminal, Wide Temperature Range

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



● SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-40 ~ +105°C					
Rated Working Voltage	200 ~ 450VDC					
Capacitance Tolerance (120Hz 20°C)	±20%(M)					
Leakage Current (20°C)	$I \leq 0.02CV$ or 5 (mA) *Whichever is smaller after 5 minutes I : Leakage Current(μA) C : Rated Capacitance(μF) V : Working Voltage(V)					
Surge Voltage (20°C)	W.V.	200	250	350	400	450
	S.V.	250	300	400	450	500
Dissipation Factor (tan δ)(MAX) (120Hz 20°C)	W.V.	200	250	350	400	450
	tan δ	0.20	0.20	0.15	0.15	0.15
Low Temperature Stability	Impedance ratio at 120Hz					
	Rated Voltage (V)	200~450				
	-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	W1	W2	W3	W4	W5	P
51	32.5	37.5	4.5	7.0	13.0	22.0
64	38.5	42.8	4.5	7.0	13.0	28.5
77	44.8	49.0	4.5	7.0	13.0	32.0
90	52.3	58.8	5.0	8.0	16.0	32.0

● 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



