LARGE CAN TYPE

HX Series

JAMICON®

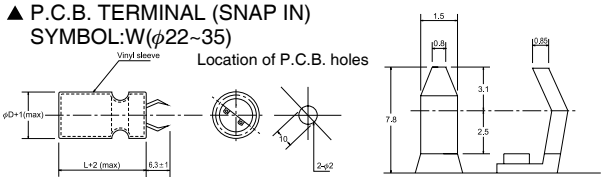
• Withstanding 10000 hours application of high rate ripple current at 105°C.

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 ≦0.02CV or 3 (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	400	450
	S.V.	250	300	450	500
Dissipation Factor (tan δ) (120Hz 20°C)	Rated Voltage	200	250	400	450
	tan δ	0.15	0.15	0.25	0.25
Low Temperature Stability	Impedance ratio at 120Hz				
	Rated Voltage	200 ~ 250V		400 ~ 450V	
	-25°C / +20°C	4		6	
Load Life	After 10000 hours application of W.V. and +105°C the capacitor shall meet the following limits. (DC + ripple peak voltage ≦ rate working voltage)				
	Capacitance Change	≦±20% of initial value			
	Dissipation Factor	≦175% 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)				

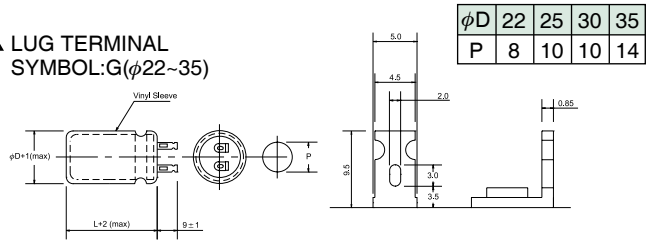
TERMINAL TYPE

▲ P.C.B. TERMINAL (SNAP IN)
SYMBOL:W(φ22~35)



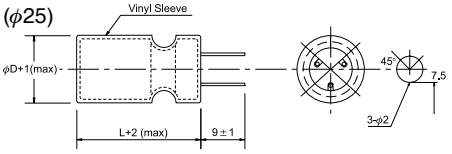
▲ LUG TERMINAL
SYMBOL:G(φ22~35)

φD	22	25	30	35
P	8	10	10	14

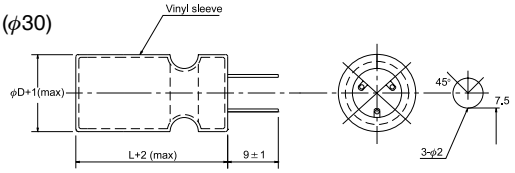


▲ P.C.B. TERMINAL
SYMBOL:V(φ25~35)

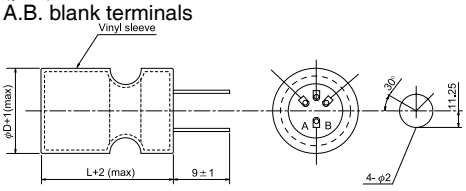
(φ25)

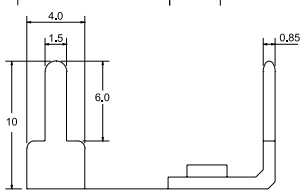


(φ30)



(φ35)
A.B. blank terminals





RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	40	60	70	85	105
Multiplier	2.50	2.20	2.00	1.80	1.00

Frequency(Hz)	60	120	400	1k	10k
W.V.	Multiplier				
≧200V	0.80	1.00	1.10	1.30	1.40

CASE SIZE & MAX RIPPLE CURRENT

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

μF	Code	V(Code) / φD	200 (2D) 22	25	30	35	250 (2E) 22	25	30	35
150	151						25			
							0.62			
180	181						30	25		
							0.73	0.70		
220	221		25				35	30		
			0.76				0.86	0.83		
270	271		30	25			40	30		
			0.90	0.86			1.00	0.92		
330	331		35	30			45	35	25	
			1.05	1.01			1.16	1.07	1.03	
390	391		35	30	25		50	40	30	
			1.15	1.10	1.13		1.32	1.23	1.20	
470	471		45	35	25			45	35	30
			1.40	1.29	1.24			1.42	1.39	1.40
560	561		50	40	30			50	40	35
			1.59	1.48	1.44			1.62	1.58	1.60
680	681			45	35	30			45	40
				1.70	1.67	1.67			1.83	1.85
820	821			50	40	30			50	45
				1.94	1.92	1.83			2.09	2.11
1000	102				45	35				50
					2.22	2.15				2.43
1200	122				50	40				
					2.53	2.44				
1500	152					40				L(mm)
						2.85				R.C.

μF	Code	V(Code) / φD	400 (2G) 22	25	30	35	450 (2W) 22	25	30	35
39	390						25			
							0.32			
47	470						30	25		
							0.38	0.36		
56	560		25				35	30		
			0.37				0.43	0.43		
68	680		30				40	30		
			0.44				0.50	0.46		
82	820		35	25			40	35	25	
			0.51	0.47			0.55	0.54	0.51	
100	101		40	30			50	40	30	
			0.60	0.55			0.67	0.62	0.60	
120	121		45	35	25			45	35	30
			0.70	0.64	0.62			0.72	0.69	0.70
150	151		50	40	30	25		50	40	30
			0.82	0.76	0.74	0.75		0.83	0.81	0.78
180	181			45	35	30			45	35
				0.87	0.85	0.86			0.93	0.91
220	221			50	40	30			50	40
				1.00	0.99	0.94			1.07	1.05
270	271				45	35				45
					1.15	1.11				1.21
330	331				50	40				
					1.32	1.28				
390	391					45				
						1.45				
470	471					50				L(mm)
						1.66				R.C.