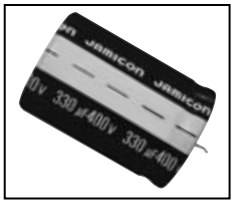
LARGE CAN TYPE

HF Series

JAMICON®

• Withstanding 7000 hours application of high ripple current at 105°C.

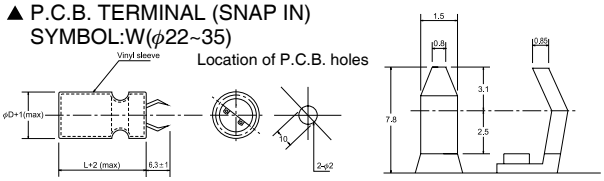


SPECIFICATION

Item	Characteristic						
Operation Temperature Range	-40 ~ +105°C						
Rated Working Voltage	160 ~ 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.	160	200	250	350	400	450
	S.V.	200	250	300	400	450	500
Dissipation Factor (tan δ) (120Hz 20°C)	Rated Voltage	160	200	250	350	400	450
	tan δ	0.15	0.15	0.15	0.15	0.15	0.15
Low Temperature Stability	Impedance ratio at 120Hz						
	Rated Voltage	160 ~ 250V			350 ~ 450V		
	-25°C / +20°C	4			6		
Load Life	After 7000 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	≦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)						

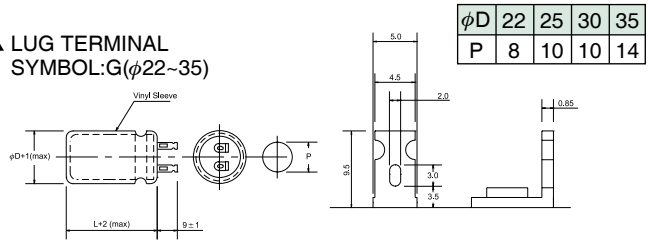
TERMINAL TYPE

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



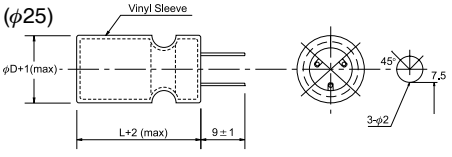
▲ LUG TERMINAL
SYMBOL:G(φ22~35)

φD	22	25	30	35
P	8	10	10	14

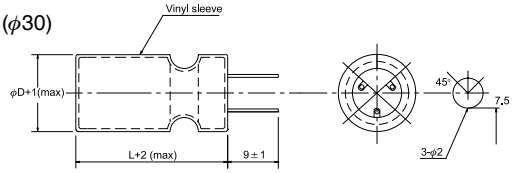


▲ P.C.B. TERMINAL
SYMBOL:V(φ25~35)

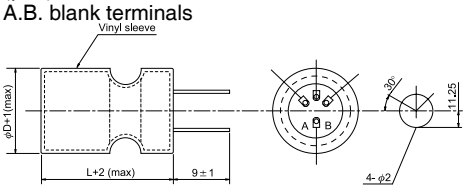
(φ25)

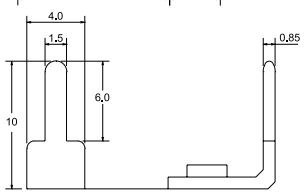


(φ30)



(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				
≧160V	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	160 (2C)				200 (2D)				250 (2E)			
			22	25	30	35	22	25	30	35	22	25	30	35
180	181										25			
											0.84			
220	221						25				30			
							0.89				0.92			
270	271						30				35	25		
							1.06				1.09	1.02		
330	331		25				30	25			40	30		
			1.13				1.17	1.17			1.27	1.21		
390	391		30				35	30			45	35	25	
			1.27				1.30	1.31			1.39	1.34	1.30	
470	471		30	25			40	30	25		50	40	30	
			1.39	1.39			1.51	1.44	1.49		1.60	1.56	1.54	
560	561		35	30			45	35	30			45	35	
			1.55	1.56			1.65	1.59	1.66			1.70	1.70	
680	681		40	35	25			40	30			50	40	30
			1.80	1.83	1.78			1.86	1.83			1.97	1.98	1.93
820	821		50	40	30			45	35				45	35
			2.08	2.02	2.00			2.04	2.03				2.17	2.14
1000	102			45	35				45	30				40
				2.35	2.35				2.50	2.32				2.50
1200	122			50	40	30			50	40				50
				2.56	2.57	2.51			2.71	2.70				2.84
1500	152				45	35				45				
					2.90	2.86				3.04				
1800	182				50	40				50				
					3.32	3.30				3.48				
2200	222					50								L(mm)
						3.85								R.C.

μF	Code	V(Code) / φD	350 (2V)				400 (2G)				450 (2W)			
			22	25	30	35	22	25	30	35	22	25	30	35
47	470										25			
											0.45			
56	560										30			
											0.53			
68	680						25				30	25		
							0.56				0.58	0.58		
82	820						30				35	30		
							0.66				0.68	0.69		
100	101		25				30	25			40	30	25	
			0.63				0.67	0.67			0.74	0.70	0.73	
120	121		30	25			35	30			45	35	30	
			0.74	0.74			0.79	0.80			0.85	0.82	0.85	
150	151		35	30			40	30	25			40	35	
			0.88	0.89			0.94	0.89	0.92			0.97	1.02	
180	181		40	30	25		45	35	30			45	35	30
			1.02	0.98	1.01		1.08	1.04	1.09			1.12	1.11	1.15
220	221		45	35	30			40	35				40	35
			1.09	0.99	1.10			1.12	1.17				1.19	1.24
270	271			40	35			50	40	30			50	40
				1.24	1.30			1.36	1.37	1.34			1.46	1.45
330	331			45	35	30			45	35				45
				1.44	1.44	1.48			1.60	1.57				1.68
390	391				40	35			50	40				50
					1.58	1.63			1.73	1.72				1.82
470	471				50	40				45				
					1.90	1.89				1.99				
560	561					40				50				
						1.97				2.16				
680	681					50								L(mm)
						2.38								R.C.