

LARGE CAN TYPE

HX Series



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

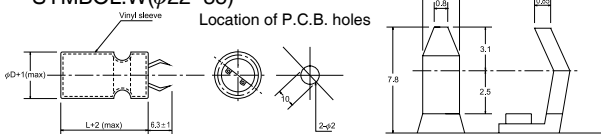


SPECIFICATION

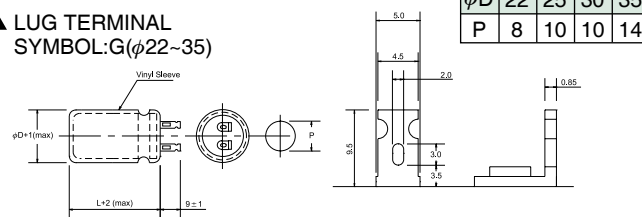
Item	Characteristic				
Operation Temperature Range	-40 ~ +105°C				
Rated Working Voltage	200 ~ 450VDC				
Capacitance Tolerance (120Hz 20°C)	±20%(M)				
Leakage Current (20°C)	$I \leq 0.02CV$ or 3 (mA) *Whichever is smaller after 5 minutes I : Leakage Current(μA) C : Rated Capacitance(μF) V : Working 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

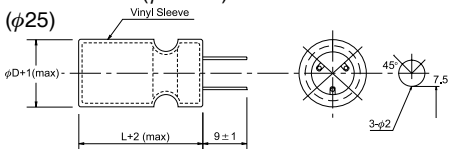
▲ P.C.B. TERMINAL (SNAP IN)
SYMBOL: W(φ22~35)



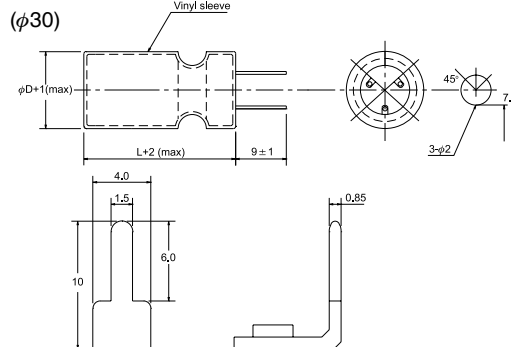
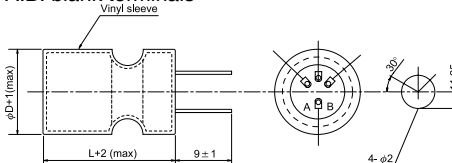
▲ LUG TERMINAL
SYMBOL: G(φ22~35)



▲ P.C.B. TERMINAL
SYMBOL: V(φ25~35)



(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	V(Code) Code	φD	200 (2D)				250 (2E)			
			22	25	30	35	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	V(Code) Code	φD	400 (2G)				450 (2W)			
			22	25	30	35	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.	