

LARGE CAN TYPE

HM Series

Snap-in Terminal Type, Small Sized



- Small case sized than HS series.
- Withstanding 2000 hours application of high ripple current at 105°C.

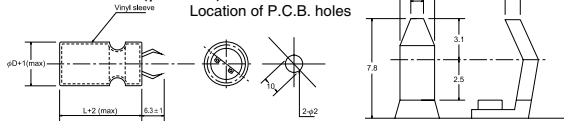


SPECIFICATION

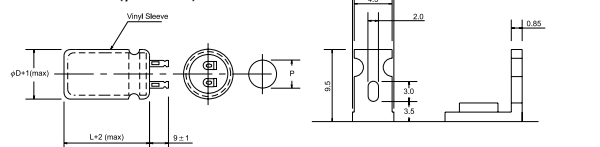
Item	Characteristic							
Operation Temperature Range	-25 ~ +105°C							
Rated Working Voltage	160 ~ 450VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	$I \leq 0.02CV$ or 3 (mA) *Whichever is smaller after 5 minutes I : Leakage Current(μA) C : Rated Capacitance(μF) V : Working Voltage(V)							
Surge Voltage (20°C)	W.V.	160	200	250	350	400	450	
	S.V.	200	250	300	400	450	500	
Dissipation Factor (tan δ) (120Hz 20°C)	Rated Voltage (V)	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 (V)	160~250			350~450			
	-25°C / +20°C	4			6			
Load Life	After 2000 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

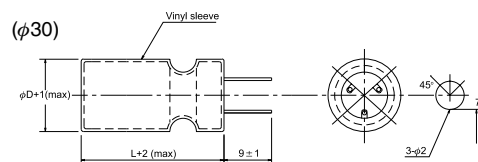
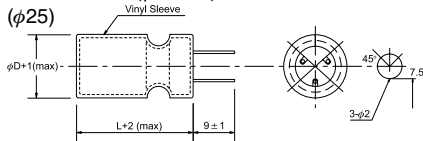
▲ P.C.B. TERMINAL (SNAP IN)
SYMBOL:W(φ22~35)



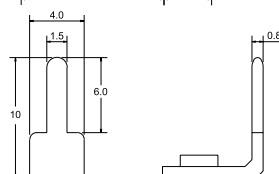
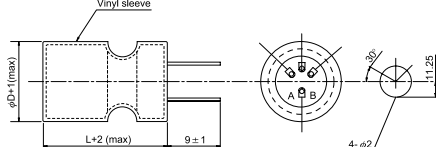
▲ LUG TERMINAL
SYMBOL:G(φ22~35)



▲ 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				
≥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	V(Code) Code	φD	160 (2C)				200 (2D)				250 (2E)			
			22	25	30	35	22	25	30	35	22	25	30	35
220	221									25				
										0.89				
270	271									25				
										0.94				
330	331									30	25			
										1.12	1.12			
390	391					25				35	25			
						1.29				1.30	1.21			
470	471		25			30				40	30	25		
			1.44			1.44				1.42	1.36	1.41		
560	561		30			30	25			45	35	25		
			1.48			1.48	1.48			1.54	1.49	1.44		
680	681		30	25		40	30			50	40	30	25	
			1.63	1.63		1.84	1.75			1.78	1.73	1.71	1.75	
820	821		35	30	25	45	35	25			45	35	30	
			1.84	1.85	1.92	2.05	1.98	1.92			1.93	1.92	1.98	
1000	102		40	35	25	50	45	30	25			40	30	
			2.10	2.13	2.07	2.31	2.37	2.22	2.28			2.19	2.13	
1200	122		40	30	25		50	35	30			45	35	
			2.30	2.27	2.33		2.54	2.42	2.49			2.35	2.32	
1500	152		45	35	30			40	30				45	
			2.42	2.41	2.49			2.55	2.49				2.56	
1800	182		50	40	30			45	40				50	
			2.56	2.58	2.52			2.71	2.82				2.71	
2200	222				45	35			45					
					2.89	2.85			3.16					
2700	272				50	40								
					3.13	3.11								
3300	332					50							L(mm)	
						3.77							R.C.	

μF	V(Code) Code	φD	350 (2V)				400 (2G)				450 (2W)			
			22	25	30	35	22	25	30	35	22	25	30	35
68	680									25				
										0.47				
82	820									30				
										0.55				
100	101					25				30	25			
						0.61				0.61	0.61			
120	121		25			30				35	30			
			0.58			0.72				0.71	0.72			
150	151		30			30	25			40	30	25		
			0.71			0.80	0.80			0.85	0.81	0.84		
180	181		30	25		35	30			45	40	30		
			0.73	0.73		0.89	0.90			0.93	0.95	0.93		
220	221		35	30		45	35	25			45	30	25	
			0.87	0.87		1.10	1.06	1.03			1.10	1.03	1.06	
270	271		40	30	25	50	40	30	25		50	40	30	
			0.96	0.92	0.95	1.21	1.18	1.16	1.19		1.21	1.22	1.19	
330	331		45	40	30		45	35	30			45	35	
			1.12	1.15	1.13		1.37	1.37	1.41			1.42	1.40	
390	391			45	35		50	40	30			50	40	
				1.31	1.31		1.56	1.58	1.54			1.61	1.60	
470	471			50	35	30		45	35				45	
				1.42	1.36	1.40		1.72	1.69				1.75	
560	561				45	35		50	40				50	
					1.55	1.53		1.85	1.84				1.88	
680	681				50	40			45					
					1.79	1.78			2.12					
820	821					45							L(mm)	
						1.97							R.C.	