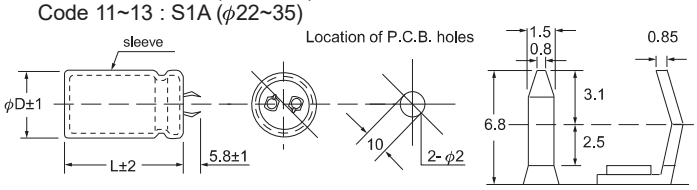
- Withstanding 10000 hours application of high rate ripple current at 105°C.
- Corresponding product to RoHS

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)				

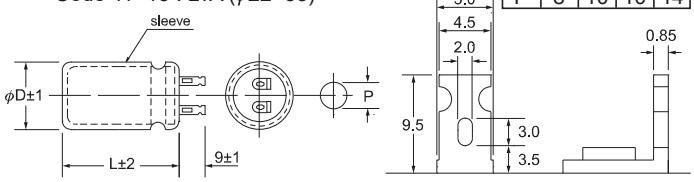
TERMINAL TYPE

▲ P.C.B. TERMINAL (SNAP IN)
Code 11~13 : S1A (φ22~35)



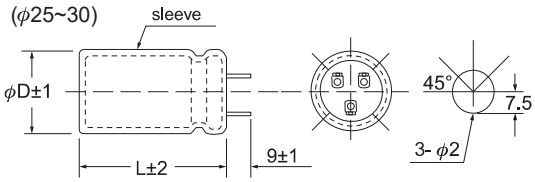
▲ LUG TERMINAL
Code 11~13 : LTA (φ22~35)

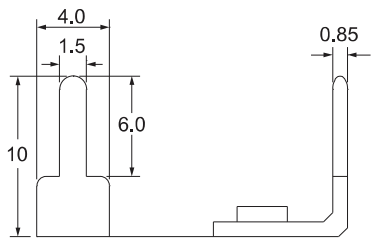
φD	22	25	30	35
P	8	10	10	14



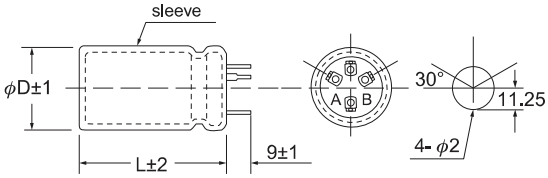
▲ P.C.B. TERMINAL
Code 11~13 : LBA (φ25~30), LCA (φ35)

(φ25~30)





(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(DC) / φD	200				250			
	22	25	30	35	22	25	30	35
150					25			
					0.62			
180					30	25		
					0.73	0.70		
220	25				35	30		
	0.76				0.86	0.83		
270	30	25			40	30		
	0.90	0.86			1.00	0.92		
330	35	30			45	35	25	
	1.05	1.01			1.16	1.07	1.03	
390	35	30	25		50	40	30	
	1.15	1.10	1.13		1.32	1.23	1.20	
470	45	35	25			45	35	30
	1.40	1.29	1.24			1.42	1.39	1.40
560	50	40	30			50	40	35
	1.59	1.48	1.44			1.62	1.58	1.60
680		45	35	30			45	40
		1.70	1.67	1.67			1.83	1.85
820		50	40	30			50	45
		1.94	1.92	1.83			2.09	2.11
1000			45	35				50
			2.22	2.15				2.43
1200			50	40				
			2.53	2.44				
1500				40				L(mm)
				2.85				R.C.

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