

High Temperature PCB Snap-in Terminal Type 105°C 基板自立型大電容量品

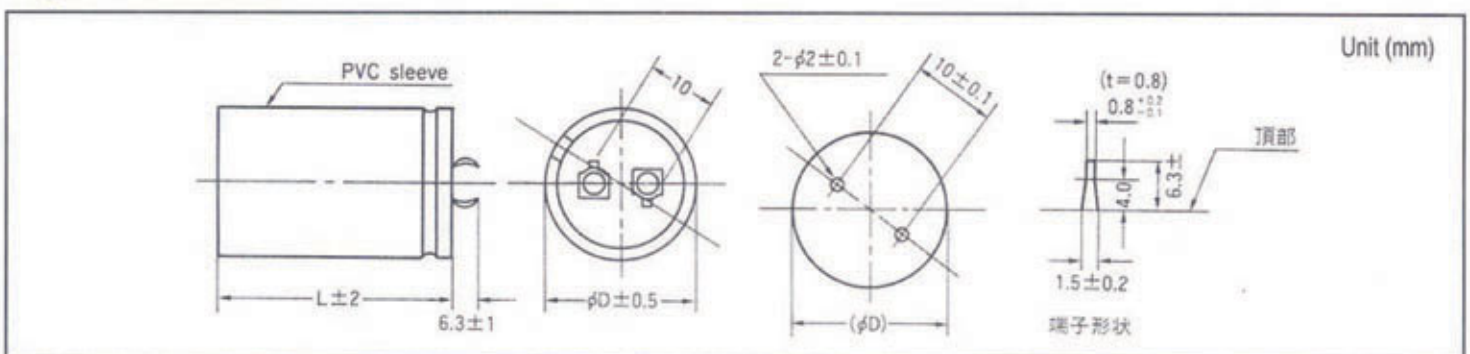
Features

- Highly reliable capacitors that withstand under high ripple current.
- Two or three dimensions with same ratings.
- Terminal spacing fixed at 10mm for PC board plug in.
- Aluminum case designed explosion-proof vent.
- Best for switching power supplies.

Specifications

Items	Performance Characteristics												
Voltage Range	10 to 100V DC	160 to 400V DC											
Capacitance Range	330 to 68000 μ F	33 to 2200 μ F											
Temperature Range	-40 to +105°C	-25 to +105°C											
Capacitance Tolerance	-20~+20°C (120Hz, +20°C)												
Leakage Current	$1 \leq 3 \sqrt{CV}$ (μ A) (after 5 minutes)												
Dissipation Factor ($\tan \delta$) (120Hz, +20°C)	Less than the value under table (at 20°C, 120Hz)												
	μ F \backslash W V	10~16	22~35	50~63	80~100	160~250	350~400						
	33~470					0.15	0.20						
	560~3300	0.25	0.20	0.20	0.20	0.15	0.20						
	4700~6800	0.35	0.30	0.30	0.25								
	10000~22000	0.40	0.35	0.30									
	27000~47000	0.45	0.40	0.35									
56000~68000	0.50	0.45											
Stability at Low Temperature	Impedance ratio max. 120Hz												
	Working voltage (v)	10~16	25	35	50	63	80	100	100	200	250	350	400
	-25°C/+25°C	6	6	6	4	3	3	3	4	4	4	4	4
-40°C/+25°C	15	15	10	8	6	6	6	6					
Load Lift	After 2000 hours application of W.V. at +105°C the capacitor shall meet the following limits												
	Leakage current	\leq initial specified value											
	Capacitance change	$\leq \pm 20\%$ of initial value											
Shelf Life	At 105°C no voltage applied after 500 hours the capacitors shall meet the following limits												
	Leakage current	$\leq 200\%$ of initial specified value											
	Capacitance change	$\leq \pm 20\%$ of initial value											
Others	Dissipation Factor ($\tan \delta$) $\leq 200\%$ of initial specified value												
	Satisfies characteristic W of JIS C 5141-1982												

Diagram of Dimensions





SH SERIES

High Temperature PCB Snap-in Terminal Type 105°C 基板自立型大電容品

Case Size: $\phi D \times L$ (mm)
 R.C.: (at 85°C, 120Hz)
 Max ripple current: A (rms)

Case Size Table & Permissible Ripple Current

W.V.	Cap. (μ F)	Case Size	R.C.
10 (13)	68,000	22×26	1.03
	6,800	25×26	1.30
		25×26	1.35
	8,200	22×31	1.70
		25×25	1.80
	10,000	22×30	1.85
		25×25	1.70
	12,000	22×30	1.95
		30×25	1.90
	15,000	22×35	2.50
		25×25	2.30
	18,000	22×41	2.60
		25×31	2.50
	22,000	22×41	2.70
		25×25	2.60
	27,000	22×51	2.95
		25×41	2.80
	33,000	25×45	3.20
		30×36	3.10
	39,000	25×51	3.50
30×41		3.40	
47,000	30×45	3.70	
	35×36	3.60	
56,000	30×51	3.90	
	35×42	3.60	
68,000	35×50	4.10	
3,300	22×25	0.98	
16 (20)	4,700	22×30	1.30
		25×25	1.10
	6,800	22×40	1.70
		25×25	1.50
	8,200	22×30	2.00
		22×45	2.70
	10,000	22×31	2.33
		25×26	2.10
	12,000	22×40	2.90
		25×31	2.70
	15,000	22×45	3.20
		25×41	3.10
	18,000	22×51	2.93
		25×46	2.80
	22,000	25×46	3.40
		30×36	3.20
27,000	25×51	3.59	
	30×41	3.40	
33,000	30×45	4.10	
	35×40	4.00	
39,000	22×51	4.80	
	35×42	4.60	
47,000	35×47	5.30	
	56,000	35×52	5.90
25 (32)	2,200	22×26	0.86
	3,300	22×31	1.25
		25×26	1.10
	4,700	22×40	1.60
		25×31	1.45
56,000	22×31	1.90	

W.V.	Cap. (μ F)	Case Size	R.C.
25 (32)	6,800	22×31	2.20
		25×26	2.00
	8,200	22×40	2.70
		25×31	2.50
	10,000	22×41	2.90
		25×36	2.70
	12,000	22×45	3.40
		25×41	3.20
	15,000	25×45	3.80
		30×36	3.70
	18,000	25×51	4.20
		30×41	4.00
	22,000	30×50	4.30
		35×37	4.00
27,000	35×45	4.60	
	40×40	4.30	
33,000	35×50	5.10	
35 (44)	1,500	22×26	1.10
	2,200	22×25	1.20
		25×25	1.10
	3,300	22×25	1.60
		25×25	1.80
	3,900	22×31	1.86
		22×36	2.10
	4,700	25×26	2.00
		22×36	2.50
	5,600	25×31	2.30
		22×40	2.70
	6,800	25×36	2.50
		22×51	3.00
	8,200	25×41	2.90
25×41		3.40	
10,000	30×36	3.20	
	25×50	3.70	
12,000	30×41	3.50	
	30×45	4.10	
15,000	35×40	3.90	
	35×42	4.30	
18,000	40×40	3.80	
	35×52	4.60	
22,000	40×40	4.30	
	1,000	22×26	0.70
50 (63)	1,500	22×25	0.90
		22×31	1.10
	18,000	22×26	1.30
		22×31	1.40
	2,200	25×25	1.30
		22×36	1.70
	2,700	25×25	1.60
		22×35	1.90
	3,300	25×31	1.75
		22×41	2.20
	3,900	30×26	1.95
		22×46	2.50
	4,700	25×40	2.30
		22×51	2.60
5,600	25×41	2.48	

Case Size: $\phi D \times L$ (mm)
 R.C.: (at 85°C, 120Hz)
 Max ripple current: A (rms)

Case Size Table & Permissible Ripple Current

W.V.	Cap. (μ F)	Case Size	R.C.
50 (63)	6,800	25×51	2.72
		30×41	2.60
	8,200	30×41	3.00
		35×35	2.90
	10,000	30×51	3.50
		35×42	3.40
	12,000	35×47	3.90
15,000	35×50	4.20	
63 (79)	680	22×26	0.60
	1,000	22×31	0.70
		25×25	0.65
	1,200	20×30	0.95
		22×26	0.82
	1,500	22×31	0.92
		25×31	0.80
	2,200	22×36	1.40
		25×31	1.30
	2,700	22×41	1.80
		25×36	1.60
	3,300	22×51	2.10
		25×41	2.00
	3,900	25×46	2.60
		30×36	2.50
	4,700	25×41	2.80
		30×41	2.80
	5,600	25×46	3.30
		30×41	3.10
	6,800	30×51	4.00
35×42		3.80	
8,200	35×47	4.20	
	40×40	3.99	
10,000	35×50	4.80	
80 (125)	470	22×26	0.55
	680	22×31	0.70
		25×25	0.65
	820	22×25	0.85
		22×36	0.98
	1,000	25×26	0.95
		22×31	1.30
	1,200	25×26	1.10
		22×36	1.50
	1,500	25×31	1.30
		22×41	1.70
	1,800	25×36	1.50
		25×41	1.90
	2,200	25×36	1.70
		25×46	2.30
	2,700	30×41	2.20
		25×45	2.80
	3,300	30×41	2.60
		30×41	3.20
	3,900	35×37	3.10
30×45		3.60	
4,700	35×40	3.40	
	30×50	4.20	
5,600	35×41	4.00	
	35×45	4.80	

W.V.	Cap. (μ F)	Case Size	R.C.
100 (125)	330	22×26	0.45
		22×26	0.66
	470	22×31	0.85
		22×26	0.80
	560	22×41	0.90
		25×31	0.80
	680	22×41	1.10
		25×31	1.00
	820	22×36	1.20
		25×31	1.10
	1,000	22×41	1.40
		25×36	1.20
	1,200	22×46	1.60
		25×41	1.40
	1,500	22×46	2.20
		25×41	2.00
1,800	25×41	2.77	
	35×30	2.50	
2,200	30×46	3.50	
	35×37	3.40	
2,700	30×51	3.90	
	35×42	3.75	
3,300	35×46	4.20	
	35×52	4.53	
160 (200)	150	22×26	0.35
	180	22×26	0.60
		22×26	0.60
	220	22×26	0.62
		22×31	0.75
	270	25×25	0.65
		22×31	0.85
	330	25×25	0.80
		22×36	1.00
	390	25×31	0.98
		22×41	1.20
	470	25×31	1.10
		22×46	1.40
	560	25×36	1.25
		25×41	1.50
	680	30×31	1.35
25×46		1.80	
820	30×36	1.70	
	25×51	1.90	
1,000	30×41	1.75	
	30×46	2.30	
1,200	35×37	2.10	
	30×51	2.60	
1,500	35×42	2.30	
	35×51	2.90	
200 (250)	100	22×26	0.32
	150	22×31	0.45
		22×25	0.40
	220	22×25	0.61
		25×31	0.50
	270	22×31	0.80
		25×26	0.75
	330	22×30	0.85

