

PCB Snap-in Terminal Type 85°C 基板自立型大電容量

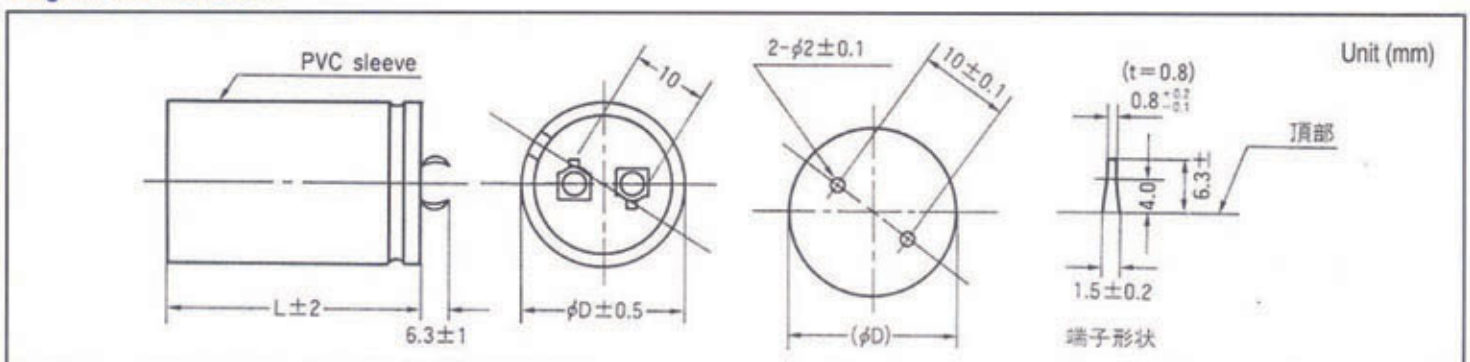
Features

- Directly mountable on printed circuit board without holders.
- Smaller low profile sizes than ordinary capacitors.
- Terminal spacing fixed at 10mm for PC board plug in.
- Aluminum case designed explosion-proof vent.

Specifications

Items	Performance Characteristics						
Voltage Range	10 to 100V DC	160 to 450V DC					
Capacitance Range	470 to 68000 μ F	47 to 27000 μ F					
Temperature Range	-40 to +85°C	-25 to +85°C					
Capacitance Tolerance	-20~+20°C (120Hz, +20°C)						
Leakage Current	1 \leq \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 WV	10~16	25~35	25~35	50~63	160~250	315~450
	47~330					0.15	0.20
	470~3300	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)	25~100	160~250	350~450			
	-25°C/+20°C	4	3	8			
	-40°C/+20°C	15	12				
Load Lift	The following specifications shall be satisfied when the capacitors are restore to 20°C after the rated voltage applied for 2000 hours at 85°C.						
	Leakage current	Initial specified value or less					
	Capacitance change	Within $\pm 20\%$ of initial value					
	Dissipation Factor ($\tan \delta$)	200% of initial specified value					
Shelf Life	At 85°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					
	Dissipation Factor ($\tan \delta$)	$\leq 150\%$ of initial specified value					
Others	Satisfies characteristic W of JIS C 5141-1982						

Diagram of Dimensions



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)	8,200	20×30	2.40
		22×25	2.45
	10,000	20×30	2.70
		25×25	2.60
	12,000	20×30	2.80
		22×25	2.70
	15,000	22×30	3.15
		30×25	3.00
	22,000	22×40	3.80
		30×30	3.45
33,000	25×40	5.00	
	35×30	4.90	
47,000	25×50	6.00	
	30×45	6.50	
68,000	30×50	6.65	
16 (20)	4,700	20×30	2.20
		22×25	1.80
	6,800	20×30	2.45
		22×25	2.40
	8,200	20×30	2.75
		22×25	2.70
	10,000	22×30	3.00
		25×25	2.85
	12,000	22×40	3.30
		25×26	3.15
	15,000	22×40	3.60
		25×31	3.55
	18,000	22×40	4.34
		25×36	4.20
	22,000	22×46	4.25
		25×36	4.00
	27,000	25×40	6.50
		30×36	6.30
	33,000	25×50	6.50
		30×40	5.00
39,000	30×46	8.10	
	35×36	7.50	
47,000	30×50	7.50	
	35×45	7.00	
56,000	30×50	10.00	
	35×46	9.50	
68,000	35×50	10.05	
25 (32)	3,300	20×30	2.05
		22×25	2.10
	4,700	20×30	2.50
		25×25	2.30
	56,000	22×31	2.60
		22×30	2.85
	6,800	25×26	2.70
		22×40	3.15
	8,200	25×26	3.00
		22×40	3.45
	10,000	22×40	3.45
		25×31	3.15
12,000	22×50	3.80	
	25×40	3.75	
15,000	22×50	3.80	
	25×45	3.60	

W.V.	Cap. (μ F)	Case Size	R.C.
25 (32)	18,000	25×50	4.70
		30×41	4.50
	22,000	25×50	4.85
		35×30	5.20
	27,000	30×46	5.90
		35×36	6.50
	33,000	30×50	8.95
		39,000	35×42
	47,000	35×50	9.00
	35 (44)	2,200	22×25
20×30			2.10
3,300		22×25	2.05
		22×30	2.50
3,900		22×30	2.45
		25×26	2.40
4,700		22×40	3.00
		25×30	2.90
6,800		22×40	3.45
		25×30	3.25
8,200		22×46	3.50
		25×40	3.40
10,000		25×40	3.85
		35×35	3.70
12,000		25×50	4.50
		30×40	4.10
15,000		30×46	4.80
		35×37	4.60
18,000		30×50	5.70
		35×42	4.90
22,000	35×47	5.70	
	35×60	6.45	
27,000	22×16	1.40	
	25×25	1.90	
33,000	25×25	2.00	
	2,700	22×31	2.30
3,300	22×31	2.50	
	25×26	2.40	
4,700	22×36	3.00	
	25×31	2.90	
5,600	22×40	3.00	
	25×36	2.80	
6,800	22×50	3.00	
	25×40	2.85	
8,200	25×46	3.60	
	35×35	3.80	
10,000	25×50	3.90	
	30×40	3.75	
12,000	30×50	4.55	
	35×40	4.35	
15,000	30×50	5.30	
	35×42	4.70	
18,000	35×47	5.30	
	22,000	35×52	5.80
50 (63)	1,000	22×30	1.50
		22×25	1.45
	1,500	22×30	1.80
		22×25	1.75



SG SERIES

PCB Snap-in Terminal Type 85°C

基板自立型大電容量

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.
63 (79)	2,200	22×30	2.10
		25×26	2.00
	2,700	22×36	2.80
		25×31	2.70
	3,300	22×40	2.81
		25×31	2.76
	3,900	22×40	3.20
		25×36	3.10
	4,700	22×50	3.20
		25×40	3.11
	5,600	25×46	3.80
		30×36	3.60
	6,800	25×50	3.68
		30×40	3.54
8,200	30×46	3.99	
	35×37	3.81	
10,000	35×42	4.48	
12,000	35×52	5.12	
80 (100)	680	22×25	1.30
	1,000	22×26	1.60
		22×30	1.35
	1,500	22×31	1.80
		25×26	1.75
	1,800	22×36	1.80
		25×31	1.60
	2,200	22×41	2.50
		25×31	2.30
	2,700	22×46	2.80
		25×36	2.65
	3,300	22×50	3.30
		25×41	3.12
	3,900	25×46	3.40
		30×36	3.10
	4,700	25×50	3.60
30×41		3.45	
5,600	30×46	3.80	
	35×37	3.65	
6,800	30×51	4.50	
	35×42	3.84	
8,200	35×52	4.90	
100 (125)	4,700	20×30	1.30
		22×25	1.15
	680	22×25	1.53
		22×30	1.55
	820	25×26	1.54
		22×30	2.20
	1,000	25×25	1.71
		22×36	2.30
	1,200	25×31	2.20
		22×40	2.54
	1,500	25×31	2.38
		22×46	2.20
	1,800	25×41	2.05
		22×50	3.07
2,200	25×41	2.77	
	2,700	25×46	3.15
30×36		3.00	

W.V.	Cap. (μ F)	Case Size	R.C.
100 (125)	3,300	25×50	3.39
		30×41	3.27
	3,900	30×46	3.50
		35×37	3.30
	4,700	30×51	3.70
		35×42	3.50
	5,600	35×47	3.90
		6,800	35×50
	8,200	35×60	5.30
		10,000	35×70
10,000	40×60	5.49	
	180	20×30	1.20
270		22×25	1.05
	330	22×26	1.30
390		22×30	1.14
	390	25×25	1.11
470		22×31	1.71
	470	25×26	1.58
560		22×31	1.53
	560	25×26	1.45
680		22×35	1.67
	680	25×31	1.58
820		22×40	1.95
	820	25×36	1.87
1,000		22×50	2.36
	1,000	25×36	2.05
1,200		25×45	2.62
	1,200	30×36	2.55
1,500		25×50	3.40
	1,500	30×36	3.20
1,800		30×45	3.35
	1,800	35×37	3.28
2,200		30×51	4.40
	2,700	35×42	3.59
2,700		35×51	4.70
	2,700	35×60	4.80
160 (200)		150	20×30
	22×25		1.85
	220	20×30	1.00
		22×25	0.97
	270	22×26	1.50
		22×30	1.29
	330	25×25	1.23
		22×40	1.74
	470	25×31	1.55
		22×40	2.00
	560	25×36	1.82
		680	22×46
	680	25×36	2.08
		820	25×50
820	30×36		2.55
	1,000	25×52	2.99
1,000		30×42	2.87
	1,200	30×46	4.25
1,200		35×37	4.08
	1,500	30×51	5.30
35×42		5.15	

200
(250)

U SG SERIES

PCB Snap-in Terminal Type 85°C 基板自立型大電容量

Case Size: ϕ D×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.
200 (250)	1,800	35×47	5.80
	2,200	35×51	6.50
250 (300)	120	20×30	0.90
		22×25	0.75
	150	20×30	1.00
		22×25	0.97
	180	22×26	1.10
	220	22×30	1.35
		25×25	1.09
	270	22×31	1.11
		25×25	1.05
	330	22×40	1.58
		25×31	1.42
	390	22×41	2.00
		25×36	1.85
	470	22×46	2.08
		25×41	1.93
	560	25×45	2.29
		30×36	2.22
	680	25×50	2.68
		30×40	2.46
820	30×45	3.11	
	35×40	2.83	
1,000	30×50	3.60	
	35×42	3.35	
1,200	35×46	4.00	
	35×52	5.00	
315 (365)	100	22×30	0.63
		25×25	0.58
	220	22×50	1.38
		30×30	1.25
	330	25×50	2.08
		35×30	1.85
470	30×50	2.96	
68	22×25	0.53	
82	22×25	0.59	
350 (400)	100	22×30	0.66
		25×25	0.63
	120	22×31	0.70
		25×26	0.68
	150	22×35	0.86
		25×31	0.82
	180	22×41	0.90
		25×36	0.85
	220	22×45	1.17
		25×41	1.06
	270	25×46	1.60
		30×36	1.40
	330	25×50	1.60
		30×41	1.53
	390	25×50	2.00
		30×46	1.85
470	30×50	2.01	
	35×40	1.92	
560	35×45	2.31	
680	35×52	2.90	

W.V.	Cap. (μ F)	Case Size	R.C.
400 (450)	47	25×25	0.40
		35×30	0.28
	68	22×25	0.51
		22×26	0.60
	82	22×30	0.68
		25×25	0.65
	100	22×31	0.90
		25×25	0.87
	120	22×41	0.95
		25×31	0.85
	150	22×50	1.27
		25×41	1.17
	220	25×46	1.65
30×36		1.59	
270	30×41	1.90	
	35×37	1.75	
330	30×36	2.19	
	35×47	2.50	
390	35×52	2.79	
	47	22×26	0.36
450 (500)	100	22×36	0.61
		25×31	0.35
	150	22×50	0.88
		25×40	0.59
	220	25×50	1.06
		35×37	0.97
	330	35×47	1.13