



Snap-In, General Purpose, 85°C



Features

- Has a snap-in terminal which can solder to PCB directly and need not fixture to save processing time
- Suitable for electronic equipment with medium-high voltage circuits
- Printed circuit board terminal snap-in type and lug terminal type available

Specifications

Item	Performance Characteristics			
Operating Temperature Range	-40 to +85°C			
Rated voltage Range	25 to 100 VDC			
Capacitance Range	1000 to 68000 μF			
Capacitance Tolerance	±20%(120Hz, +20°C)			
Leakage Current (+20°C, max.)	I=0.02 CV after 5 minutes with rated working voltage applied.			
Dissipation Factor (Tanδ at 120Hz, 20°C)	Less than the value under table (%)			
	μF \ W .V.	25~35	50~ 63	80~100
	47 ~ 390	-	-	-
	470 ~ 3900	20	20	20
	4700 ~ 8200	30	30	25
	10000 ~ 22000	35	30	-
	27000 ~ 47000	40	35	-
	56000 ~ 68000	45		-
Low Temperature Characteristics (at 120Hz)	Impedance ratio max -25°C\+20°C : 3 -40°C\+20°C : 12			
Load Life Test	Test conditions Duration time :2000Hrs Ambient temperature:+85°C Applied voltage: Rated DC working voltage After test requirements at+20°C Capacitance change: ±≤20% of the initial measured value Dissipation Factor: ≤200% of the initial specified value Leakage current: ≤The initial specified value			
Shelf Life Test	Test conditions Duration time :1000Hrs Ambient temperature:+85°C Applied voltage: None After test requirements at +20°C: Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.			
Standards	Satisfies Characteristic W of JIS C5141			

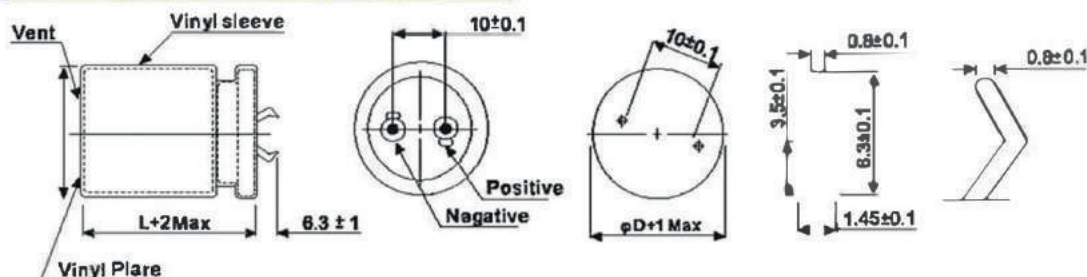
Multiplier for Ripple Current VS. Frequency

CAP(μ F)/Hz	50(60)	120	1K	10K	50-100K
Multiplier					
10 < CAP $\leq$ 100	0.8	1	1.36	1.48	1.53
100 < CAP $\leq$ 1000	0.8	1	1.25	1.35	1.38
1000 < CAP	0.8	1	1.17	1.25	1.28

Multiplier for Ripple Current VS. Temperature

Temperature (°C)	45	60	70	85
Multiplier	1.55	1.30	1.20	1.00

Diagram of Dimensions: (Unit: mm)





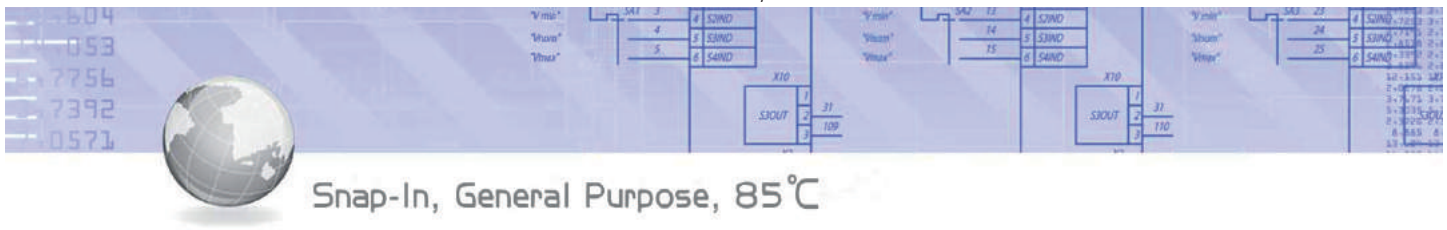
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W.V. {S.V.}	25{32}								35{44}							
	22		25		30		35		22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
3900	-	-	-	-	-	-	-	-	22x30	2.64	-	-	-	-	-	-
4700	22x25	2.64	-	-	-	-	-	-	22x30	2.68	25x25	2.68	-	-	-	-
5600	22x30	2.78	-	-	-	-	-	-	22x35	2.84	25x30	2.84	-	-	-	-
6800	22x30	2.93	25x25	2.93	-	-	-	-	22x35	3.06	25x30	3.06	-	-	-	-
8200	22x30	3.05	25x25	3.05	-	-	-	-	22x40	3.32	25x35	3.32	-	-	-	-
10000	22x35	3.43	25x30	3.43	30x25	3.43	-	-	22x45	3.60	25x40	3.60	30x30	3.60	-	-
12000	22x40	3.84	25x35	3.84	30x30	3.84	-	-	-	-	25x45	4.08	30x35	4.08	35x30	4.08
15000	22x50	4.39	25x40	4.39	30x30	4.39	-	-	-	-	25x50	4.25	30x40	4.25	35x30	4.25
18000	-	-	25x45	4.80	30x35	4.80	-	-	-	-	-	-	30x45	4.70	35x35	4.70
22000	-	-	25x50	5.40	30x40	5.40	-	-	-	-	-	-	30x50	5.45	35x40	5.45
27000	-	-	-	-	30x45	5.97	35x35	5.97	-	-	-	-	-	-	35x45	5.78
33000	-	-	-	-	30x50	6.24	35x40	6.24	-	-	-	-	-	-	35x50	6.36
39000	-	-	-	-	-	-	35x45	7.10	-	-	-	-	-	-	-	-
47000	-	-	-	-	-	-	35x50	7.60	-	-	-	-	-	-	-	-

*Ripple Current(A,rms)at 85°C 120Hz

W.V. {S.V.}	50{63}								63{79}							
	22		25		30		35		22		25		30		35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
2200	22x25	2.04	-	-	-	-	-	-	22x30	2.52	25x25	2.52	-	-	-	-
2700	22x30	2.30	-	-	-	-	-	-	22x35	2.70	25x30	2.70	-	-	-	-
3300	22x30	2.64	25x25	2.64	-	-	-	-	22x40	2.90	25x30	2.90	30x25	2.90	-	-
3900	22x30	2.70	25x25	2.70	-	-	-	-	22x45	3.05	25x35	3.05	30x30	3.05	-	-
4700	22x35	2.88	25x30	2.88	30x25	2.88	-	-	22x50	3.28	25x40	3.28	30x35	3.28	35x25	3.28
5600	22x40	3.06	25x35	3.06	30x30	3.06	-	-	-	-	25x45	3.86	30x35	3.86	35x30	3.86
6800	22x50	3.35	25x40	3.35	30x30	3.35	-	-	-	-	25x50	4.32	30x40	4.32	35x30	4.32
8200	-	-	25x45	3.70	30x35	3.70	-	-	-	-	-	-	30x45	4.44	35x35	4.44
10000	-	-	25x50	4.20	30x40	4.20	35x30	4.20	-	-	-	-	-	-	35x45	4.90
12000	-	-	-	-	30x45	4.60	35x35	4.60	-	-	-	-	-	-	35x50	5.40
15000	-	-	-	-	30x50	5.15	35x40	5.15	-	-	-	-	-	-	35x60	5.80
18000	-	-	-	-	-	-	35x45	5.31	-	-	-	-	-	-	-	-
22000	-	-	-	-	-	-	35x50	5.85	-	-	-	-	-	-	-	-

*Ripple Current(A,rms)at 85°C 120Hz



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φD x L (mm)

μF	W.V. {S.V.}	80{100}								100{125}							
		22		25		30		35		22		25		30		35	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1000		22x25	1.62	-	-	-	-	-	-	22x30	1.90	25x25	1.90	-	-	-	-
1200		22x30	1.70	-	-	-	-	-	-	22x35	2.10	25x30	2.10	-	-	-	-
1500		22x30	1.90	25x25	1.90	-	-	-	-	22x40	2.46	25x35	2.46	30x30	2.46	-	-
1800		22x35	2.15	25x30	2.15	-	-	-	-	22x45	2.78	25x40	2.78	30x30	2.78	-	-
2200		22x40	2.52	25x30	2.52	30x25	2.52	-	-	22x50	3.00	25x40	3.00	30x30	3.00	-	-
2700		22x45	2.76	25x35	2.76	30x30	2.76	-	-	-	-	25x45	3.40	30x35	3.40	-	-
3300		22x50	3.15	25x40	3.15	30x30	3.15	-	-	-	-	25x50	3.85	30x40	3.85	-	-
3900		-	-	25x45	3.40	30x35	3.40	-	-	-	-	-	-	30x45	4.30	35x35	4.30
4700		-	-	25x50	3.80	30x40	3.80	-	-	-	-	-	-	30x50	4.50	35x40	4.50
5600		-	-	-	-	30x45	4.25	35x35	4.25	-	-	-	-	-	-	35x45	4.80
6800		-	-	-	-	30x50	4.70	35x40	4.70	-	-	-	-	-	-	35x50	5.30
8200		-	-	-	-	-	-	35x50	5.20	-	-	-	-	-	-	35x60	5.80
10000		-	-	-	-	-	-	35x60	5.70	-	-	-	-	-	-	35x62	6.30

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SNAP-IN