

Features

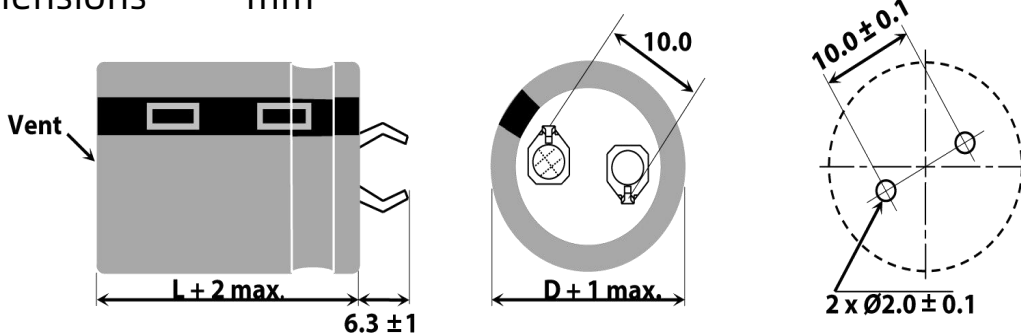
- ◎ 5000h at +85°C, 焊针型, Snap-in Type
- ◎ 高纹波电流, 长寿命 High ripple current, Long life



Specifications

Item	Characteristics								
使用温度范围 Operating Temperature Range(°C)	-40 ~ +85					-25 ~ +85			
额定电压 Rated Voltage (V)	16 ~ 400					450			
标称容量 Nominal capacitance (µF)	68 ~ 22000								
容量偏差 Capacitance Tolerance(20°C,120Hz)	±20%								
漏电流 Leakage current (µA)	≤0.01CV or 1.5mA, which is smaller. (at 20°C ,after 5 minutes)								
损耗角正切值 Dissipation Factor(20°C,120Hz)	Rated voltage (V)	10	16	25	35	50	63~100	160~250	315~450
	tanδ	0.8	0.6	0.5	0.4	0.3	0.2	0.15	0.15
耐久性 Load Life(+85°C)	时间 time	5000小时5000 hours							
	容量变化率Capacitance change	±20%初始测量值以内Within±20% of the initial value							
	漏电流Leakage current	≤初始规定值Not more than the Initial specified value							
	损耗角正切值Dissipation factor	≤200%初始规定值Not more than 200% of the Initial specified value							
高温贮存 Shelf Life(+85°C)	时间 time	500小时500 hours							
	容量变化率Capacitance change	±20%初始测量值以内Within±20% of the initial value							
	漏电流Leakage current	≤初始规定值Not more than the Initial specified value							
	损耗角正切值Dissipation factor	≤200%初始规定值Not more than 200% of the Initial specified value							
	试验后：施加标称电压30分钟，于24至48小时之间测试。 After test: UR to be applied for 30 minutes, 24 to 48 hours before measurement.								

Dimensions mm



PC Board Mounting Holes

Frequency Coefficient

Frequency(Hz) Voltage(v)	50	120	1k	10k	20k
≤50	0.95	1.00	1.10	1.15	1.15
63 ~ 100	0.95	1.00	1.16	1.30	1.33
≥160	0.90	1.00	1.20	1.50	1.55

Temperature Coefficient

Frequency(Hz) Coefficient	+40	+55	+70	+85	
Voltage(v)	<160	2.10	1.80	1.51	1.00
	≥160	1.70	1.50	1.30	1.00

Standard Ratings

WV(V)	10		16		25		35		50		63		80		100	
ΦDxL (mm)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)
22x30	15000	3.2	10000	2.6	6800	2.3	3900	2.1	2700	1.9	2200	2.0	1200	1.5	820	1.2
22x35	18000	3.6	12000	2.9	8200	2.6	5600	2.3	3900	2.1	2700	2.2	1800	1.9	1200	1.6
22x40	22000	4.0	15000	3.3	10000	2.9	6800	2.9	4700	2.4	3300	2.3	2200	2.1	1500	1.8
22x45	-	-	18000	3.8	12000	3.3	-	-	-	-	3900	2.5	-	-	-	-
22x50	-	-	22000	4.2	-	-	8200	2.8	5600	2.5	-	-	2700	2.5	1800	2.1
25x25	15000	3.1	10000	2.6	6800	2.3	4700	2.2	2700	1.9	2200	2.0	1500	1.7	1000	1.4
25x30	18000	3.6	15000	3.3	10000	2.8	5600	2.3	3900	2.1	2700	2.3	1800	1.9	1200	1.6
25x35	22000	4.1	18000	3.7	12000	3.2	6800	2.6	4700	2.4	3300	2.3	2200	2.2	1500	1.7
25x40	-	-	22000	4.2	15000	3.7	8200	2.8	5600	2.5	3900	2.6	2700	2.5	1800	2.0
25x45	-	-	-	-	-	-	1000	3.1	6800	2.8	5600	3.1	3300	2.8	2200	2.2
25x50	-	-	-	-	18000	4.3	12000	3.5	8200	3.2	-	-	3900	3.1	2700	2.6
30x30	-	-	22000	4.2	12000	3.4	8200	2.8	5600	2.5	3900	2.6	2700	2.5	1800	2.1
30x35	-	-	-	-	18000	4.2	10000	3.2	6800	2.8	5600	3.2	3300	2.8	2200	2.3
30x40	-	-	-	-	22000	4.8	12000	3.5	8200	3.0	6800	3.6	3900	3.2	2700	2.7
30x45	-	-	-	-	-	-	15000	4.1	10000	3.4	-	-	4700	3.6	3300	3.0
30x50	-	-	-	-	-	-	18000	4.6	12000	3.8	8200	3.7	5600	3.5	3900	3.4
35x30	-	-	-	-	18000	4.4	12000	3.6	8200	3.0	5600	3.3	3900	3.2	2200	2.5
35x35	-	-	-	-	22000	5.0	15000	4.1	10000	3.4	6800	3.7	4700	3.6	3300	3.1
35x40	-	-	-	-	-	-	18000	4.7	12000	3.8	8200	3.8	5600	3.5	3900	3.4
35x45	-	-	-	-	-	-	22000	5.3	-	-	10000	4.3	-	-	-	-
35x50	-	-	-	-	-	-	-	-	15000	4.5	12000	4.8	6800	4.1	4700	4.0

WV(V)	160		180		200		250		315		350		400		450	
ΦDxL (mm)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)	Cap μF	Rippl (A)
22x30	390	1.5	330	1.4	330	1.4	220	1.1	150	0.85	120	0.82	100	0.70	68	0.57
22x35	560	1.9	470	1.7	390	1.6	270	1.2	180	0.96	150	0.94	120	0.79	100	0.72
22x40	680	2.1	560	1.9	470	1.8	330	1.4	220	1.1	180	1.1	150	0.90	120	0.80
22x45	-	-	-	-	560	2.0	390	1.6	270	1.2	220	1.2	180	1.0	-	-
22x50	820	2.5	680	2.3	-	-	470	1.8	-	-	-	-	220	1.1	150	0.95
25x25	390	1.5	390	1.5	330	1.4	220	1.1	150	0.85	120	0.81	100	0.70	-	-
25x30	560	1.9	470	1.7	390	1.6	330	1.4	180	0.96	150	0.94	150	0.89	100	0.73
25x35	680	2.2	560	2.0	560	2.0	390	1.6	220	1.1	220	1.2	180	1.0	120	0.83
25x40	820	2.4	680	2.2	680	2.3	470	1.8	270	1.3	-	-	220	1.2	150	0.95
25x45	1000	2.7	820	2.5	-	-	560	2.0	330	1.4	270	1.4	270	1.3	180	1.1
25x50	1200	3.1	1000	2.9	820	2.6	-	-	390	1.6	330	1.6	-	-	220	1.2
30x25	560	2	470	1.8	470	1.9	330	1.5	220	1.1	180	1.1	150	0.95	-	-
30x30	680	2.5	680	2.3	560	2.1	470	1.8	270	1.6	220	1.2	180	1.1	150	0.98
30x35	1000	2.8	820	2.6	680	2.4	560	2.0	330	1.4	270	1.4	220	1.2	180	1.1
30x40	1200	3.2	1000	2.9	820	2.7	680	2.3	390	1.6	390	1.7	270	1.4	220	1.3
30x45	1500	3.7	1200	3.3	1000	3.1	820	2.6	170	1.8	470	2.0	330	1.6	270	1.4
30x50	-	-	-	-	1200	3.4	-	-	560	2.0	-	-	390	1.8	-	-
35x30	1000	2.7	820	2.5	820	2.5	680	2.4	390	1.6	330	1.6	270	1.6	220	1.3
35x35	1200	3	1200	3.1	1000	2.8	820	2.6	470	1.8	390	1.8	330	1.7	270	1.5
35x40	1500	3.5	-	-	1200	3.2	1000	3.0	560	2.0	470	2.0	390	1.8	-	-
35x45	1800	3.9	1500	3.6	-	-	1200	3.4	680	2.3	560	2.3	470	2.1	390	1.9
35x50	2200	4.5	1800	4.1	1500	3.8	-	-	-	-	680	2.6	560	2.3	470	2.2

Ripple current: 85°C, 100Hz or 120Hz

Typical Curves

