

Features

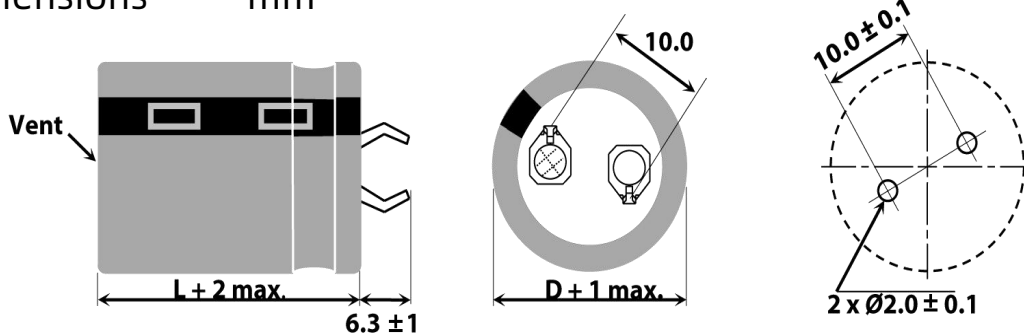
- ◎ 3000h at +105°C, 焊针型, Snap-in Type
- ◎ 宽温度, 长寿命, 高纹波电流 Wide temperature, Long life, High ripple current



Specifications

Item	Characteristics								
使用温度范围 Operating Temperature Range(°C)	-40 ~ +105				-25 ~ +105				
额定电压 Rated Voltage (V)	16 ~ 200				250 ~ 450				
标称容量 Nominal capacitance (µF)	82 ~ 47000								
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)	16	25	35	50	63~100	160~400	400~450	
	tanδ	0.5	0.4	0.35	0.3	0.2	0.15	0.2	
耐久性 Load Life(+105°C)	时间 time	3000小时3000 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(+105°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
≤100	0.95	1.00	1.10	1.15	1.15
160 ~ 250	0.87	1.00	1.11	1.18	1.20
350 ~ 450	0.80	1.00	1.14	1.14	1.20

Temperature Coefficient

Temperature(°C)	+40	+55	+70	+85	+105
Coefficient	2.70	2.50	2.10	1.70	1.00

Standard Ratings

WV(V)	16		25		35		50		63		80		100	
ΦDxL (mm)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)
22x30	10000	1.99	6800	1.91	3900	1.65	2700	1.70	1800	1.52	1200	1.39	820	1.35
22x35	12000	2.28	8200	2.14	5600	2.02	3300	1.98	2200	1.73	1500	1.61	1000	1.54
22x40	15000	2.64	10000	2.40	6800	2.28	3900	2.25	2700	1.97	1800	1.83	1200	1.74
22x45	18000	2.98	12000	2.69	-	-	4700	2.56	-	-	2200	2.09	1500	1.99
22x50	-	-	-	-	8200	2.67	6800	2.89	3300	2.32	-	-	-	-
25x25	1000	1.99	6800	1.91	4700	1.78	2700	1.70	1800	1.52	1200	1.39	820	1.35
25x30	12000	2.3	8200	2.16	5600	2.04	3300	2.00	2200	1.75	1500	1.62	1000	1.56
25x35	15000	2.68	10000	2.44	6800	2.31	3900	2.28	2700	1.99	2200	2.01	1200	1.76
25x40	18000	3.04	12000	2.74	8200	2.60	5600	2.81	3300	2.27	-	-	1500	2.03
25x45	22000	3.40	15000	3.15	10000	2.92	-	-	3900	2.54	2700	2.43	1800	2.28
25x50	27000	3.81	18000	3.54	12000	3.26	6800	3.37	4700	2.88	3300	2.76	2200	2.57
30x30	18000	3.00	10000	2.70	8200	2.56	4700	2.58	3300	2.24	2200	2.10	1500	2.00
30x35	22000	3.39	15000	3.13	10000	2.92	5600	2.95	3900	2.55	2700	2.43	1800	2.27
30x40	27000	3.83	18000	3.54	12000	3.28	6800	3.39	4700	2.90	3300	2.78	2200	2.59
30x45	33000	4.3	22000	4.24	15000	3.74	8200	3.71	5600	3.28	3900	3.12	2700	2.94
30x50	39000	4.74	-	-	-	-	10000	4.09	6800	3.73	4700	3.56	3300	3.32
35x30	27000	3.75	15000	3.22	12000	3.20	6800	3.31	4700	2.83	3300	2.71	2200	2.52
35x35	33000	4.24	22000	3.96	15000	3.69	8200	3.66	5600	3.24	3900	3.07	2700	2.90
35x40	39000	4.72	-	-	18000	4.16	10000	4.07	6800	3.71	4700	3.50	3300	3.31
35x45	47000	5.27	27000	4.75	-	-	12000	4.50	8200	4.16	5600	3.87	3900	3.69
35x50	-	-	33000	5.39	22000	4.92	-	-	10000	4.69	6800	4.19	4700	4.14

WV(V)	160		180		200		250		350		400		450	
ΦDxL (mm)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)	Cap μF	Ripple (A)
22x30	390	1.43	330	1.30	330	1.30	220	1.10	100	0.70	82	0.56	100	0.70
22x35	470	1.52	470	1.50	390	1.41	270	1.13	120	0.73	120	0.64	120	0.73
22x40	560	1.62	560	1.62	470	1.50	330	1.20	150	0.79	150	0.70	150	0.78
22x45	680	1.70	-	-	560	1.58	390	1.26	180	0.81	-	-	68	0.65
22x50	820	1.81	680	1.76	680	1.68	470	1.37	220	0.93	180	0.78	100	0.70
25x25	470	1.55	390	1.35	330	1.35	220	1.15	100	0.70	82	0.65	120	0.73
25x30	560	1.73	470	1.62	470	1.47	330	1.30	150	0.82	120	0.70	150	0.82
25x35	680	1.81	560	1.69	560	1.65	390	1.41	180	0.89	150	0.73	180	0.87
25x40	820	1.98	680	1.72	680	1.80	470	1.52	220	0.97	180	0.82	220	0.94
25x45	1000	2.04	820	1.78	-	-	560	1.59	-	-	220	0.87	150	0.83
25x50	1200	2.12	1000	1.91	820	1.87	680	1.66	270	1.01	270	0.94	180	0.86
30x30	820	1.98	680	1.74	680	1.82	470	1.36	180	0.90	180	0.83	220	0.95
30x35	1000	2.14	820	1.85	820	1.99	560	1.57	270	1.05	220	0.86	270	1.11
30x40	1200	2.22	1000	2.01	-	-	680	1.76	-	-	270	0.95	330	1.15
30x45	1500	2.46	1200	2.19	1000	2.17	820	1.73	330	1.16	330	1.11	220	0.91
30x50	-	-	1500	2.36	1200	2.22	1000	1.87	390	1.26	390	1.15	270	1.13
35x30	1200	2.40	1000	2.16	820	2.07	560	1.56	270	1.01	270	0.91	330	1.26
35x35	1500	2.53	1200	2.34	1000	2.22	820	1.82	330	1.16	330	1.13	390	1.31
35x40	-	-	1500	2.56	1200	2.42	1000	1.99	390	1.26	390	1.26	470	1.50
35x45	1800	2.98	1800	2.67	1500	2.59	1200	2.10	470	1.35	470	1.31	560	1.61
35x50	2200	3.10	-	-	1800	2.70	-	-	560	1.51	560	1.50	680	1.72

Ripple current: 85°C, 100Hz or 120Hz

Typical Curves

