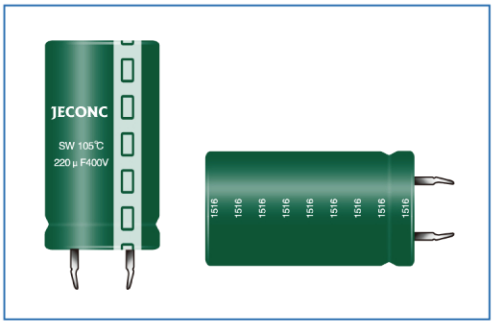
SW 系 列 SERIES

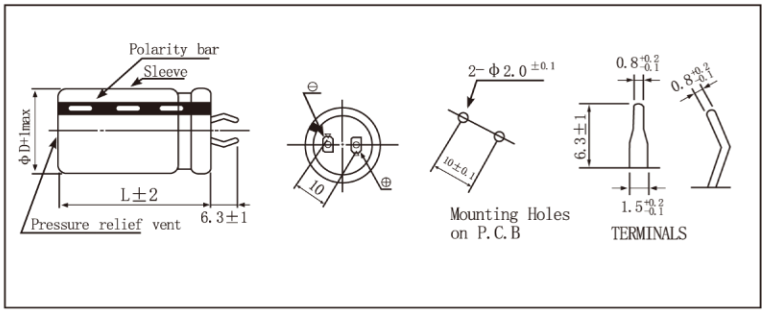
- Long Life : 105℃ 3000h
- Professional Power Supplies
- Complied to the RoHS directive



◆ SPECIFICATION

Items	Characteristics
Operating Temperature Range(℃)	-25～+105
Voltage range (V)	160～450V
Capacitance Range (μF)	56～2200μF
Capacitance Tolerance	±20% (at20℃,120Hz)
leakage current (μA)	I=0.01$C_R U_R$ or 1.5mA whichever is smaller. (at20℃,After 5 minutes application of rated voltage) I=Leakage Current UR=Rated Voltage CR=Rated Capacitance
Dissipation Factor(Tan δ)	WV(V) 160-400 450 Tan δ (max) 0.15 0.20 (at 20℃,120Hz)
Low Temperature Characteristics	Rated Voltage (V) 160-450 Impedance Ratio Z-25℃/Z+20℃ 4
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated rippled current is applied for 3000 hours at 105℃ . Capacitance change: Within± 20%initial value D.F.(Tan δ): Not more than 200% of specified value leakage current: Not more than specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied .Before the measurement ,the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4. Capacitance change: Within ±20%initial value D.F.(Tan δ): Not more than 200% of specified value leakage current: Not more than 200% of specified value

◆ DIMENSIONS(mm)



◆ Frequency Coefficient

Frequency / Voltage(V)	50/60Hz	120Hz	1KHz	10KHz	≥20KHz
160~250WV	0.87	1.00	1.11	1.18	1.20
≥350WV	0.80	1.00	1.14	1.14	1.20

◆ Temperature Coefficient

Temperature(℃)	+40	+55	+70	+85	+105
Coefficient	2.7	2.5	2.1	1.7	1.0

SW 系 列 SERIES

◆ STANDARD RATINGS

UR (Surge Voltage) Code	Rated Capaci-tance	Max ESR 20℃ 120Hz	Rated Ripple Current 105℃120Hz	Size ΦD×L
(V)	(μF)	(mΩ)	(mA rms)	(mm)
160V (200) 2C	330	603	1160	22×25
	390	510	1430	22×30
	470	424	1520	22×35
		424	1550	25×25
	560	355	1620	22×40
		355	1730	25×30
	680	293	1700	22×45
		293	1810	25×35
	820	243	1910	22×50
		243	1980	25×40
		243	1980	30×30
		243	1930	35×25
	1000	199	2040	25×45
		199	2140	30×35
		199	2220	35×30
	1200	166	2120	25×50
		166	2220	30×40
		166	2400	35×30
	1500	133	2460	30×45
		133	2530	35×35
	1800	111	2980	35×45
	2200	91	3100	35×50
200V (250) 2D	220	905	1080	22×25
	270	737	1150	22×25
	330	603	1300	22×30
		603	1350	25×25
	390	510	1410	22×35
	470	424	1500	22×40
		424	1470	25×30
		424	1560	30×25
	560	355	1580	22×45
		355	1600	25×35
	680	293	1780	22×50
		293	1800	25×40
		293	1820	30×30
		293	1860	35×25
	820	243	1970	25×50
		243	1990	30×35
		243	2070	35×30
	1000	199	2170	30×45
		199	2220	35×35
	1200	166	2320	30×50
		166	2420	35×40
	1500	133	2590	35×45
	1800	111	2700	35×50
250V (300) 2E	180	1106	940	22×25
	220	905	1100	22×30
		905	1150	25×25
	270	737	1130	22×35
	330	603	1200	22×40
		603	1300	25×30
		603	1300	30×25
	390	510	1410	22×45
		510	1420	25×35

SW 系 列 SERIES

◆ STANDARD RATINGS

UR (Surge Voltage) Code	Rated Capaci-tance	Max ESR 20℃ 120Hz	Rated Ripple Current 105℃120Hz	Size ϕD×L
(V)	(μF)	(mΩ)	(mA rms)	(mm)
250V (300) 2E	470	424	1480	22×50
		424	1470	25×40
		424	1510	30×30
	560	355	1590	25×45
		355	1570	30×35
		355	1560	35×30
	680	293	1660	25×50
		293	1680	30×40
	820	243	1830	30×45
		243	1820	35×35
	1000	199	1870	30×50
		199	1990	35×40
	1200	166	2100	35×45
	1500	133	2250	35×50
350 (400) 2V	68	2927	560	22×25
	100	1990	700	22×30
		1990	700	25×25
	120	1659	730	22×35
	150	1327	790	22×40
		1327	820	25×30
		1327	820	30×25
	180	1106	810	22×45
		1106	890	25×35
		1106	900	30×30
	220	905	930	22×50
		905	970	25×40
		905	980	35×25
	270	737	1010	25×50
		737	1050	30×35
		737	1100	35×30
	330	603	1160	30×45
		603	1160	35×35
	390	510	1260	30×50
		510	1260	35×40
	470	424	1350	35×45
	560	355	1510	35×50
400V (450) 2G	68	2927	470	22×25
	82	2427	560	22×30
		2427	560	25×25
	100	1990	620	22×30
	120	1659	660	22×35
		1659	680	25×30
	150	1327	730	22×40
	180	1106	780	22×50
		1106	820	25×40
		1106	830	30×30
		1106	860	35×25
	220	905	870	25×45
		905	960	30×35
	270	737	940	25×50
		737	950	30×40
		737	970	35×30

SW 系列 SERIES

◆ STANDARD RATINGS

UR (Surge Voltage) Code	Rated Capaci -tance	Ma× ESR 20℃ 120Hz	Rated Ripple Current 105℃120Hz	Size ϕD×L
(V)	(μF)	(mΩ)	(mA rms)	(mm)
400V (450) 2G	330	603	1110	30×45
		603	1130	35×35
	390	510	1150	30×50
		510	1260	35×40
	470	424	1310	35×45
	560	355	1500	35×50
	1000	335	2000	35×70
450V (500) 2W	56	4739	470	22×25
	68	3903	560	22×30
		3903	560	25×25
	82	3237	640	22×35
	100	2654	700	22×40
		2654	700	25×30
	120	2212	730	22×45
		2212	750	25×35
	150	1769	800	22×50
		1769	820	25×40
		1769	830	30×30
	180	1474	870	25×45
		1474	860	30×35
	220	1206	940	25×50
		1206	950	30×40
		1206	910	35×30
	270	983	1110	30×45
		983	1130	35×35
	330	804	1150	30×50
		804	1260	35×40
	390	681	1310	35×45
	470	565	1500	35×50

Customer products are available on request