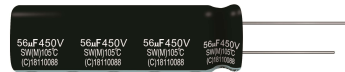




SW Series

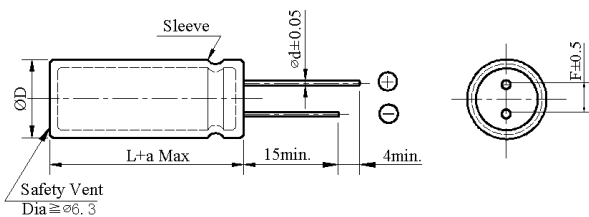
- Counter-plan product for safety
- Load life 2,000 hours at 105°C



◆ SPECIFICATIONS

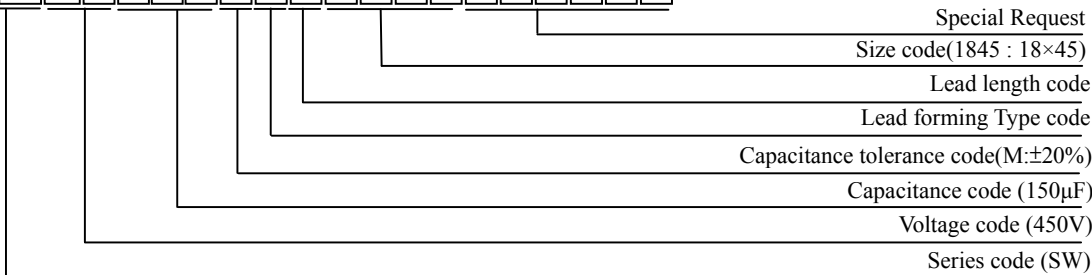
Item	Performance Characteristics
Category Temperature Range	-25 ~ +105°C
Working Voltage Range	160 ~ 450Vdc
Capacitance Range	22 ~ 680 µF
Capacitance Tolerance	±20% (at 25°C and 120Hz)
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V) 160 ~ 250 400 ~ 450
	tanδ(Max) 0.12 0.15
Leakage Current	I=0.02CV or 3000 µA whichever is smaller I : Leakage current (µA) C : Rated capacitance (µF) V : Rated voltage (V) Impress the rated voltage for 2 minutes
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V) 160~250 400 420 ~ 450
	Z(-25°C)/Z(+20°C) 3 5 6
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105°C.
	Capacitance change ≒ ±20% of the initial value
	Dissipation factor(tanδ) ≒ 200% of the specified value
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 1,000 hours at 105°C without voltage applied.
	Capacitance change ≒ ±20% of the initial value
	Dissipation factor(tanδ) ≒ 200% of the specified value
Others	Conforms to JIS-C-5101-4 (1998), characteristic W

◆ DIMENSIONS (mm)



ΦD	10	12.5 L < 35	12.5 L ≥ 35	16	18
ΦD	ΦD + 0.5 Max				
Φd	0.6	0.6	0.8	0.8	0.8
F	5.0	5.0		7.5	7.5
a	L + 1.5 Max	≤ 35 L + 1.5 Max ≥ 40 L + 2.0 Max		L + 1.5 Max	

◆ PART NUMBER SYSTEM(Example : 450V 150µF)





SW Series

◆ Case size & Permissible rated ripple current: (mA rms) at 105°C / 120Hz

uF \ Vdc	160		200		220		250	
	ΦD × L	RC	ΦD × L	RC	ΦD × L	RC	ΦD × L	RC
68					10×35	380	10×40	395
82			10×35	435	10×40	450	10×45	480
100	10×30	410	10×40	470	10×45	505	10×50	550
							12.5×35	530
120	10×35	500	10×45	535	10×50	580	12.5×40	565
150	10×40	575	12.5×35	610	12.5×40	620	12.5×45	635
180	10×50	640	12.5×40	700	12.5×45	715	12.5×50	740
	12.5×30	620					16×31.5	730
220	12.5×35	740	12.5×50	860	16×35.5	870	16×40	950
	16×25	725	16×31.5	825			18×30	920
270	12.5×45	860	16×35.5	860	16×40	930	16×45	1100
	16×30	830	18×30	855	18×30	910	18×35.5	1030
330	12.5×50	930	16×40	1150	16×45	1200	18×40	1300
	16×31.5	910	18×35.5	1200	18×35.5	1245		
	18×25	895						
470	18×31.5	1210	18×45	1380	18×45	1400	18×50	1460
560	18×35.5	1350	18×50	1500				
680	18×40	1460						

uF \ Vdc	400		420		450	
	ΦD × L	RC	ΦD × L	RC	ΦD × L	RC
22			10×30	210	10×30	225
27	10×30	250	10×35	260	10×35	280
33	10×35	275	10×40	290	10×40	305
39	10×40	305	10×45	315	10×50	330
47	10×45	330	10×50	350	12.5×40	390
	12.5×30	320	12.5×35	340		
56	12.5×35	375	12.5×40	395	12.5×45	450
68	12.5×40	455	12.5×45	480	12.5×50	570
			16×31.5	470	16×35.5	560
82	12.5×50	535	16×35.5	560	16×40	630
	16×31.5	530			18×31.5	605
100	16×35.5	615	16×40	670	16×45	740
			18×31.5	655	18×35.5	720
120	16×40	730	18×35.5	750	18×40	805
	18×31.5	700				
150	18×40	845	18×45	900	18×45	950
180	18×45	950	18×50	1040		
220	18×50	1100				

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	50/60	120	1K	10K	100K
160 ~ 450	0.80	1.00	1.30	1.40	1.50