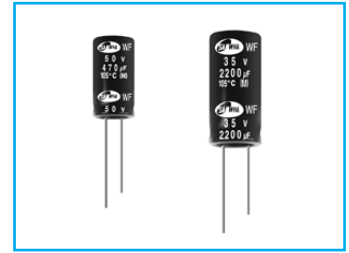


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



WF High ripple current, Extremely Low impedance Series



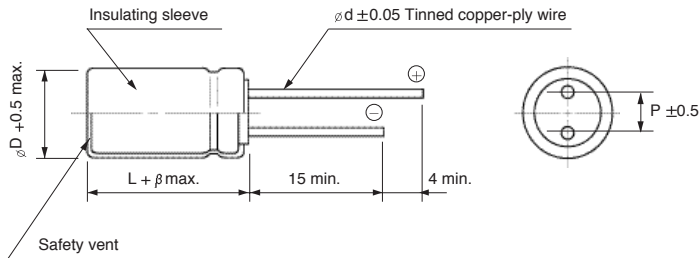
- Operating temperature range of $-40 \sim +105^{\circ}\text{C}$
- Extremely low impedance at high frequency
- High reliability withstanding 10000 hours load life at 105°C (5000 / 7000 hours for smaller case size as specified below)



Item	Characteristics								
Operating temperature range	$-40 \sim +105^{\circ}\text{C}$								
Leakage current max.	$I = 0.03CV$ or $3\mu\text{A}$ whichever is greater (after 2 minutes)								
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C								
Dissipation factor max. (at 120Hz, 20°C)	WV	6.3	10	16	25	35	50	63	100
	$\tan\delta$	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08
Low temperature characteristics (Impedance ratio at 120Hz)	WV	6.3	10	16	25 ~ 100				
	Z- 40°C /Z+ 20°C	8	6	4	3				
Load life (after application of the rated voltage for 10,000 hours at 105°C)	Leakage current	Less than specified value							
	Capacitance change	Within $\pm 25\%$ of initial value							
	$\tan\delta$	Less than 200% of specified value							
		ϕD	$\phi D = 5, 6.3$	$\phi D = 8, 10$	$\phi D \geq 12.5$				
Shelf life (at 105°)	Life time	5000 hours	7000 hours	10000 hours					
Shelf life (at 105°)	After 1000 hours no load test, leakage current, capacitance and $\tan\delta$ are same as load life value.								

● DRAWING

Unit : mm



ϕD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
ϕd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
β	1.0			2.0			

