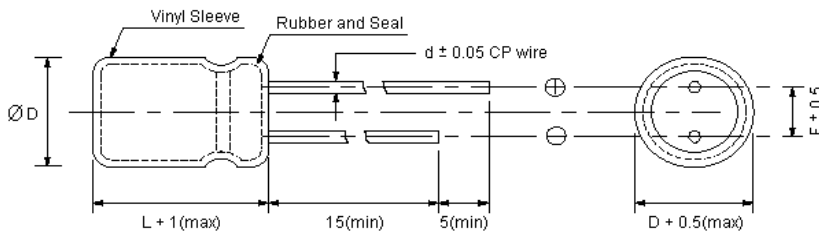


■ **FEATURES**

- ◆ 5mm height standard for the demand of space-saving
- ◆ Substitute for tantalum capacitors of cost-saving
- ◆ Applications for high-density electronic products as car stereos, OA equipments, micro video and audio products, etc.



■ **OUTLINE**



	mm				
D	3	4	5	6.3	8
F	1.0	1.5	2.0	2.5	3.5
d	0.45				

■ **SPECIFICATIONS**

Items	Characteristics								
Capacitance Tolerance (120Hz, 25°C)	± 20% (M)								
Rated Working Voltage Range	4 ~ 50Vdc								
Operation Temperature	-40°C ~ +85°C								
Leakage Current (25°C)	(After 2 minutes applying the DC working voltage)								
	$I \leq 0.01CV$ or $3 (\mu A)$								
	◆ I : Leakage Current (μA)			◆ C : Rated Capacitance (μF)			◆ V : Working Voltage (V)		
Surge Voltage (25°C)	W.V.	4	6.3	10	16	25	35	50	
	S.V.	5	8	13	20	32	44	63	
Dissipation Factor (120Hz, 25°C)	W.V.	4	6.3	10	16	25	35	50	
	$\tan \delta$	0.35	0.24	0.20	0.16	0.14	0.12	0.10	
Temperature Characteristics	W.V.	4	6.3	10	16	25	35	50	
	- 25°C / + 25°C	7	4	3	2	2	2	2	
	- 40°C / + 25°C	15	8	6	4	4	3	3	
◆ Impedance ratio at 120Hz									
Load Test	After 1000 hours application of WV at +85°C, the capacitor shall meet the following limits:								
	Capacitance Change	$\leq \pm 20\%$ of initial value							
	$\tan \delta$	$\leq 200\%$ of initial specified value							
	Leakage Current	\leq initial specified value							
Shelf Test	After 500 hours, no voltage applied at +85°C, the capacitor shall meet the following limits:								
	Capacitance Change	$\leq \pm 20\%$ of initial value							
	$\tan \delta$	$\leq 200\%$ of initial specified value							
	Leakage Current	$\leq 200\%$ of initial specified value							



RoHS Compliant ALUMINIUM ELECTROLYTIC CAPACITOR

5S Series

■ **DIMENSIONS**

D x L (mm)

uF \ WV	4	6.3	10	16	25	35	50
0.1						]	3 x 5
0.22						]	3 x 5
0.33						]	3 x 5
0.47						]	3 x 5
1						]	3 x 5
2.2					]	3 x 5	3 x 5
					]		4 x 5
3.3				]	3 x 5	4 x 5	4 x 5
4.7			]	3 x 5	3 x 5	4 x 5	4 x 5
			]		4 x 5		5 x 5
10		]	3 x 5	3 x 5	4 x 5	5 x 5	6.3 x 5
		]		4 x 5			
22	]	3 x 5	4 x 5	4 x 5	5 x 5	6.3 x 5	6.3 x 5
	]			5 x 5			8 x 5
33	3 x 5	3 x 5	4 x 5	5 x 5	6.3 x 5	6.3 x 5	8 x 5
		4 x 5	5 x 5				
47	4 x 5	4 x 5	5 x 5	6.3 x 5	6.3 x 5	8 x 5	
		5 x 5					
100	5 x 5	5 x 5	6.3 x 5	6.3 x 5	8 x 5		
		6.3 x 5					
220	6.3 x 5	6.3 x 5	8 x 5	8 x 5			

■ **PERMISSIBLE RIPPLE CURRENT**

mA (rms) at 120Hz 85°C

uF \ WV	4	6.3	10	16	25	35	50
0.1						]	1
0.22						]	2
0.33						]	3
0.47						]	4
1						]	7
2.2					]	8	10
					]		14
3.3				]	9	15	16
4.7			]	10	11	20	23
			]		17		29
10		]	15	18	25	32	40
		]		21			
22	]	16	33	37	46	54	61
	]			40			70
33	27	30	38	48	57	65	83
		33	45				
47	34	39	50	65	68	94	
		47					
100	57	63	85	92	110		
		76					
220	88	90	145	154			