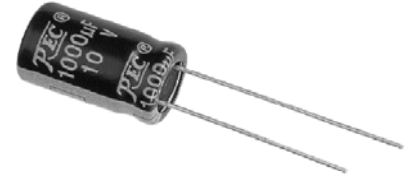
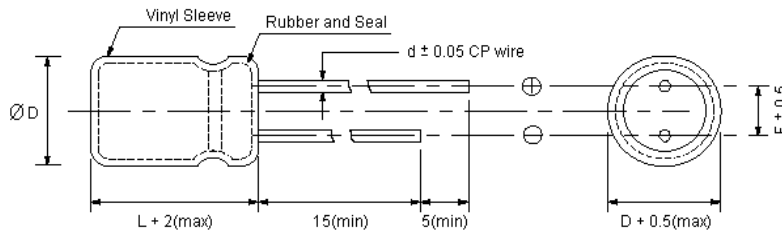


■ **FEATURES**

- ◆ Load life of 2000 hours at 85°C
- ◆ Extremely low leakage current characteristics
- ◆ Applications for use in coupling circuits of Hi-Fi Audio equipments and TV

■ **OUTLINE**



	mm				
D	5	6.3	8	10	13
F	2.0	2.5	3.5	5.0	
d	0.5		0.6		

■ **SPECIFICATIONS**

Items	Characteristics							
<b>Capacitance Tolerance (120Hz, 25°C)</b>	± 20% (M)							
<b>Rated Working Voltage Range</b>	6.3 ~ 50Vdc							
<b>Operation Temperature</b>	-40°C ~ +85°C							
<b>Leakage Current (25°C)</b>	Less than the greater of 0.002CV or 1uA after application the rated voltage for 1 minute							
	$I \leq 0.002CV$ or 1 ( $\mu$ A)							
	◆ I : Leakage Current ( $\mu$ A)		◆ C : Rated Capacitance ( $\mu$ F)			◆ V : Working Voltage (V)		
<b>Surge Voltage (25°C)</b>	W.V.	6.3	10	16	25	35	50	
	S.V.	8	13	20	32	44	63	
<b>Dissipation Factor (120Hz, 25°C)</b>	W.V.	6.3	10	16	25	35	50	
	$\tan \delta$	0.25	0.20	0.17	0.15	0.12	0.10	
<b>Temperature Characteristics</b>	W.V.	6.3	10	16	25	35	50	
	- 25°C / + 25°C	4	4	3	3	2	2	
	- 40°C / + 25°C	10	8	6	4	4	3	
◆ Impedance ratio at 120Hz								
<b>Load Test</b>	After 2000 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						
<b>Shelf Test</b>	After 1000 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						



■ **DIMENSIONS**

D x L (mm)

uF \ WV	D x L (mm)					
	6.3	10	16	25	35	50
0.1					]	5 x 11
0.22					]	5 x 11
0.33					]	5 x 11
0.47					]	5 x 11
1					]	5 x 11
2.2					]	5 x 11
3.3					]	5 x 11
4.7					]	5 x 11
10		]	5 x 11	5 x 11	5 x 11	5 x 11
22	]	5 x 11	5 x 11	5 x 11	5 x 11	6.3 x 11
33	]	5 x 11	5 x 11	5 x 11	6.3 x 11	6.3 x 11
47	]	5 x 11	5 x 11	6.3 x 11	6.3 x 11	8 x 12
100	5 x 11	6.3 x 11	6.3 x 11	8 x 12	8 x 12	10 x 12
220	6.3 x 11	8 x 12	8 x 12	10 x 12	10 x 16	10 x 20
330	8 x 12	8 x 12	10 x 12	10 x 16	10 x 20	13 x 20
470	8 x 12	10 x 12	10 x 16	10 x 20		
1000	10 x 16	10 x 20	13 x 20	13 x 25		
2200	13 x 20	13 x 25				

■ **PERMISSIBLE RIPPLE CURRENT**

mA (rms) at 120Hz 85°C

uF \ WV	mA (rms) at 120Hz 85°C					
	6.3	10	16	25	35	50
0.1					]	1
0.22					]	4
0.33					]	4
0.47					]	6
1					]	17
2.2					]	29
3.3					]	34
4.7					]	43
10		]	38	60	64	78
22	]	65	67	80	92	98
33	]	74	90	94	100	119
47	]	101	116	125	138	206
100	105	170	241	263	295	320
220	219	238	285	304	399	466
330	266	333	352	447	542	618
470	361	394	494	589		
1000	618	751	865	1036		
2200	1093	1178				