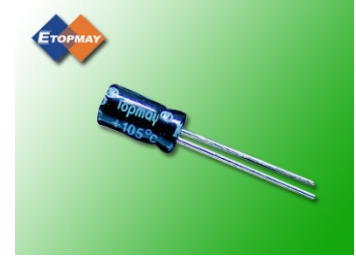


## Features

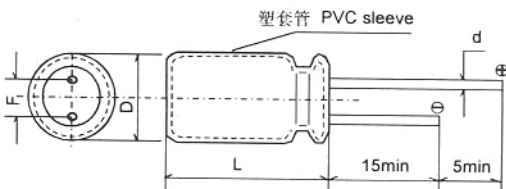
- Load life of 1,000 hours at 85°C.
- 7mm L, standard type.
- Applications: VTR, video camera, car radio, micro cassette tape recorder, etc.



## Specifications

Item	Characteristics									
Operating temperature range	-40~+85°C									
Rated voltage range	4~100V									
Capacitance range	0.1~470 μ F									
Capacitance tolerance (at 20°C, 120Hz)	±20%(M)									
Leakage current(I) (at 20°C)	After 1 minute application of rated voltage. I ≤ 0.01CV or 3 μ A, whichever is greater. Where C: Nominal capacitance in μ F, V: Rated voltage in V.									
Dissipation factor(Tan δ) (at 20°C, 120Hz)	W.V.(V)	4	6.3	10	16	25	35	50	63	100
	Tan δ (max.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.09	0.08
Low temperature characteristics (at 120Hz)	W.V.(v)	4	6.3	10	16~25			35~50		
	impedance ratio Z-25°C/Z+20°C	6	4	3	2					
	ZT/Z+20°C(max)	Z-40°C/Z+20°C	12	8	6	4			3	
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage has been applied for 1,000 hours at 85°C.									
	Capacitance change	≤20% of the initial value								
	tan δ	≤200% of the initial specified value								
	I	≤The initial specified value								
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 85°C for 500 hours without voltage applied									
	Capacitance change	≤20% of the initial value								
	tan δ	≤150% of the initial specified value								
	I	≤200% of the initial specified value								
Others	Satisfies characteristic W of JIS C5141									

## Dimensions



D±0.5	4	5	6.3	8
L±1.0		7		
F±0.5	1.5	2.0	2.5	3.5
d±0.05		0.45		



### Case Size DxL(mm) and Maximun Ripple current(mA rms/at 85°C,120Hz)

W.V.(v) Cap.(μ F)	4	6.3	10	16	25	35	50	63	100
0.1							4×7 1.3	4×7 1.7	
0.22							4×7 2.9	4×7 3.7	
0.33							4×7 4.4	4×7 5.5	
0.47							4×7 6.3	4×7 7.7	
1							4×7 11	4×7 11	4×7 12
2.2							4×7 16	4×7 17	5×7 20
3.3					4×7 16	4×7 18	4×7 19	4×7 20	6.3×7 28
4.7					4×7 20	4×7 21	4×7 23	4×7 24	6.3×7 34
10				4×7 27	4×7 28	4×7 31	5×7 38	6.3×7 26	8×7 57
22		4×7 32	4×7 35	4×7 40	5×7 48	5×7 52	6.3×7 65	8×7 79	
33	4×7 33	4×7 40	4×7 43	5×7 55	6.3×7 67	6.3×7 73	8×7 92		
47	4×7 39	4×7 47	4×7 52	5×7 65	6.3×7 80	6.3×7 87	8×7 110		
100	5×7 64	5×7 78	6.3×7 98	6.3×7 109	8×7 135	8×7 146			
220	6.3×7 110	6.3×7 133	6.3×7 168	8×7 187					
330	8×7 155	8×7 187	8×7 205	8×7 230					
470	8×7 185	8×7 224							

### Ripple Current Multipliers

#### Frequency multiplying factor

Cap.(μ F) Freq.(Hz)	50	120	300	1k	10k
0.1~47	0.75	1.00	1.35	1.57	2.00
100~470	0.80	1.00	1.23	1.34	1.50

#### Temperature multiplying factor

Temperature(°C)	45	65	85
Factor	1.59	1.23	1.00