



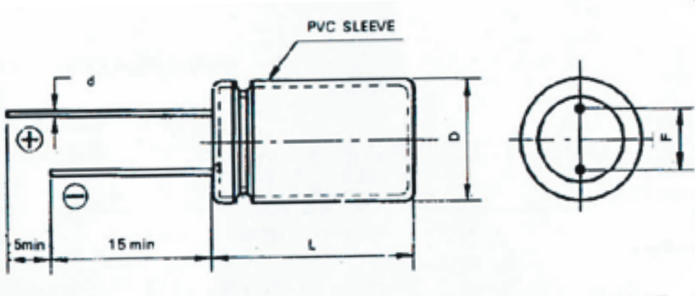
Features

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

Characteristics

Item	Characteristics									
Operating temperature range	-40~+85℃									
Rated voltage range	4~100V									
Capacitance range	0.1~470 μ F									
Capacitance tolerance (at20℃,120Hz)	±20%(M)									
Leakage current(I) (at20℃)	After 2 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℃,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 ZT/Z+20℃(max)	Z-25℃/Z+20℃	6	4	3	2				
		Z-40℃/Z+20℃	12	8	6	4			3	
Load life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage has been applied for 1,000 hours at 85℃.									
	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℃ after exposing them at 85℃ 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℃,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		
22			4×7	32	4×7	35	4×7	40	5×7	48	5×7	52	6.3×7	65				
33	4×7	33	4×7	40	4×7	43	5×7	55	6.3×7	67	6.3×7	73						
47	4×7	39	4×7	47	4×7	52	5×7	65	6.3×7	80	6.3×7	87						
100	5×7	64	5×7	78	6.3×7	98	6.3×7	109	8×7	135								
220	6.3×7	110	6.3×7	133	6.3×7	168	8×7	187										
330	8×7	155	8×7	187														
470	8×7	185	8×7	224														

Ripple Current Multipliers

Frequency multiplying factor

Freq.(Hz) Cap.(μ F)	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(℃)	45	65	85
Factor	1.59	1.23	1.00