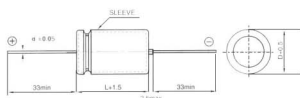


**Features**

- Load life of 2,000 hours at 85°C.
- Axial type aluminum electrolytic capacitors.
- Case size larger than 6.3mm diameter has safety vent on rubber bun.

**Characteristics**

Item	Characteristics							
Operating temperature range	-40~+85°C							
Rated voltage range	6.3~100V							
Capacitance range	4.7~6,800 μF							
Capacitance tolerance (at 20°C, 120Hz)	±20%(M)							
Leakage current(I) (at 20°C)	After 2 minute application of rated voltage. I ≤ 0.01CV (μA) Where C: Nominal capacitance in μF, V: Rated voltage in V.							
Dissipation factor(Tan δ) (at 20°C, 120Hz)	W.V.(V)	10	16	25	35	50	63	100
	Tan δ (max.)	0.20	0.16	0.14	0.12	0.10	0.09	0.08
For capacitance of more than 1,000 μF, add 0.02 for every increase of 1,000 μF.								
Low temperature characteristics (at 120Hz)	W.V.(v)	10		16~25		35~100		
	impedance ratio ZT/Z+20°C (max)	Z-25°C/Z+20°C		3		2		2
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage with max. ripple current has been applied for 5,000 hours(3,000 hours for case dia. 8 & 10mm, 2,000hours for case dia. 6.3mm) at 105°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 105°C for 1,000 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	5~13	16~25
d	0.6	0.8

**Case Size D×L(mm) and Maximun Ripple current(mA rms/at 85°C, 120Hz)**

W.V.(v) \ Cap.(μF)	10	16	25	35	50	63	100
0.47						5×12	5
1						5×12	10
2.2						5×12	23
3.3						5×12	28
4.7						5×12	34
10			5×12	40	5×12	45	6.3×12
22		5×12	60	5×12	65	6.3×12	70
33		5×12	70	5×12	80	6.3×12	90
47	5×12	80	5×12	85	6.3×12	100	6.3×14
100	6.3×12	130	6.3×14	160	8×13	170	8×16
220	8×13	210	8×16	260	8×16	280	10×17
330	8×16	300	8×16	320	10×17	380	10×21
470	8×16	350	8×16	430	10×21	510	13×22
1,000	10×17	640	10×17	770	13×22	900	13×24
2,200	13×22	1,090	10×21	1,180	16×28	1,480	16×33
3,300	13×26	1,390	13×24	1,620	16×33	1,710	18×36
4,700	16×28	1,730	16×36	1,840	18×36	2,170	20×36
6,800	16×33	1,930	18×36	2,310	18×42	2,580	22×43
10,000	18×36	2,350	20×36	2,620	22×42	2,940	25×54

**Ripple Current Multipliers**

Frequency multiplying factor

Cap.(μF) \ Freq(Hz)	50	120	300	1k	10k
0.47~47	0.75	1.00	1.35	1.57	2.00
100~470	0.80	1.00	1.23	1.34	1.50
1,000~10,000	0.85	1.00	1.10	1.13	1.15

Temperature multiplying factor

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