



ALUMINUM ELECTROLYTIC CAPACITOR

TYPE RT

MINIATURE STANDARD SIZE, RADIAL LEADS FOR HIGH TEMPERATURE USE

FEATURES:

- 105°C operating temperature range
- Suitable for high temperature consumer and industrial equipments



SPECIFICATIONS:

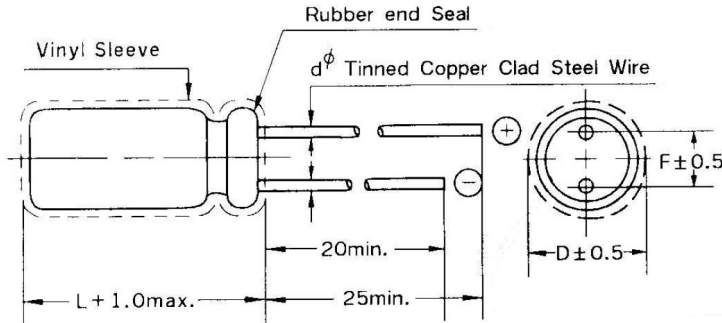
Item	Type RT								
Operating Temperature Range	-40°C to +105°C								
Capacitance tolerance	±20% at 120 Hz, 20°C								
Leakage Current (I=DC Current in μ A max.)	$I \leq 0.01CV + 3\mu A$, measured after 3 minutes application of rated working voltage. Where, C =Rated Capacitance (μ F) V =Rated Working Voltage (V DC)								
Working Voltage (DC)	6.3V	10V	16V	25V	35V	50V	63V	100V	
Surge Voltage (DC)	8V	13V	20V	32V	44V	63V	79V	125V	
Dissipation Factor ($\tan \delta$) max. at 120 Hz	0.24	0.20	0.17	0.15	0.12	0.10	0.10	0.08	
(For capacitance exceeds 1000 μ F, the value of $\tan \delta$ is increased by 0.02 for every additional 1000 μ F.)									
Impedance Ratio at Low Temperature at 120 Hz	W.V.	6.3V	10V	16V	25V	35V	50V	63V	100V
	Z@ -25°C / Z@ +20°C	4	3	2	2	2	2	2	2
	Z@ -40°C / Z@ +20°C	8	6	6	4	4	3	3	3
Load Life Test (after 1000 hours application of the rated voltage, at 105°C)	The capacitor shall meet following limits: Capacitance Change $\leq \pm 20\%$ of initial value Leakage Current \leq specified maximum value Dissipation Factor $\leq 200\%$ of specified maximum value								
Shelf Life Test (after 500 hours exposing at 105°C without voltage applied)	The capacitor shall meet following limits: Capacitance Change $\leq \pm 20\%$ of initial value Leakage Current \leq specified maximum value Dissipation Factor $\leq 200\%$ of specified maximum value								



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Dimensions in mm								
D φ	5	6.3	8	10	13	16	18	22
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10
d φ	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8

CASE SIZE (DxL mm) AND PERMISSIBLE RIPPLE CURRENT (mA rms, at 105°C 120 Hz):

W.V.	6.3V		10V		16V		25V		35V		50V		63V		100V	
	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.1											5x11	1.5	5x11	3.0	5x11	3.0
0.22											5x11	3.5	5x11	4.5	5x11	4.5
0.33											5x11	5	5x11	7.5	5x11	7.5
0.47											5x11	6	5x11	9	5x11	9
1.0											5x11	10	5x11	15	5x11	15
2.2											5x11	19	5x11	30	5x11	30
3.3											5x11	30	5x11	38	5x11	38
4.7											5x11	41	5x11	43	5x11	46
10							5x11	50	5x11	54	5x11	60	5x11	63	6.3x11	74
22					5x11	70	5x11	75	5x11	80	5x11	90	5x11	90	6.3x11	125
33					5x11	87	5x11	92	5x11	100	6.3x11	120	6.3x11	130	8x12	180
47			5x11	92	5x11	105	5x11	110	6.3x11	130	6.3x11	140	8x11	170	10x12	225
100	5x11	125	5x11	135	5x11	150	6.3x11	180	8x11	220	8x11	240	10x12	260	10x21	360
220	5x12	170	5x12	200	6.3x11	260	8x11	300	8x12	370	10x12	423	10x16	470	13x26	600
330	6.3x11	260	6.3x11	305	8x11	345	8x14	400	10x12	500	10x16	595	10x21	620	13x26	760
470	6.3x12	315	8x11	365	8x12	428	10x12	520	10x21	650	10x21	710	13x21	820	16x25	990
1000	8x11	510	8x14	610	10x16	750	10x21	870	13x21	970	13x26	1110	16x25	1300	18x40	1380
2200	10x15	920	10x17	1045	13x21	1060	13x26	1250	16x26	1500	16x32	1790	18x40	2110		
3300	10x21	1140	13x21	1230	13x26	1450	16x26	1690	18x32	1950	18x36	2220	22x43	2554		
4700	13x21	1460	13x26	1520	16x26	1700	18x32	2040	18x36	2280	22x40	2865				
10000	16x25	2037	18x32	2260	18x36	2360										