ALUMINUM ELECTROLYTIC CAPACITOR

TYPE TT

MINIATURE STANDARD SIZE, AXIAL LEADS FOR HIGH OPERATING TEMPERATURE USE

FEATURES:

- 105℃ operating temperature range, miniature standard tubular case size
- suitable for high temperature consumer and industrial equipment



SPECIFICATIONS:

Item	Type TT							
Operating Temperature Range	-40℃ to +105℃							
Capacitance tolerance	± 20% at 120 Hz, 20℃							
Leakage Current (I=DC Current in μA max.)	I≦0.01CV + 3μA, measured after 3 minutes application of rated working voltage. Where, C =Rated Capacitance (μF) 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	40V	63V	79V	125V
Dissipation Factor (tan δ) max. at 120 Hz	0.24	0.20	0.17	0.15	0.12	0.10	0.10	0.08
(For capacitance exceeds 1000μF, the value of tan δ is increased by 0.02 for every additional 1000μF.)								

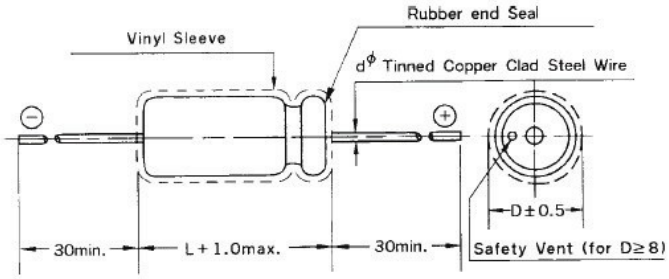
Impedance Ratio at Low Temperature at 120 Hz	W.V.	6.3V	10V	16V	25V	35V	50V	63V	100V
	Z@ -25℃ / Z@ +20℃	4	3	3	2	2	2	2	2
	Z@ -40℃ / Z@ +20℃	8	6	6	4	4	4	4	4

Load Life Test (after 2000 hours application of the rated voltage, at 105℃)	The capacitor shall meet following limits: Capacitance Change ≦± 25% of initial value Leakage Current ≦specified maximum value Dissipation Factor ≦200% of specified maximum value
Shelf Life Test (after 1000 hours exposing at 105 ℃ without voltage applied)	The capacitor shall meet following limits: Capacitance Change ≦± 25% of initial value Leakage Current ≦specified maximum value Dissipation Factor ≦200% of specified maximum value

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Dimension in mm

Dϕ	6	8	10	13	16	18
dϕ	0.6	0.6	0.6	0.6	0.8	0.8

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

W.V.	6.3V		10V		16V		25V		35V		50V		63V		100V	
μF	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
0.47											6x13	6	6x13	9	6x13	9
1.0											6x13	10	6x13	15	6x13	15
2.2											6x13	20	6x13	25	6x13	25
3.3											6x13	25	6x13	30	6x13	35
4.7											6x13	30	6x13	35	6x13	35
10									6x13	50	6x13	50	6x13	55	6x16	60
22					6x13	60	6x13	60	6x13	70	6x16	80	6x16	90	8x16	105
33					6x13	70	6x13	75	6x16	95	6x16	105	8x16	120	8x20	150
47	6x13	60	6x13	75	6x13	90	6x13	95	6x16	110	8x16	140	8x16	160	10x20	180
100	6x13	110	6x16	120	6x16	145	8x16	165	8x16	180	8x20	225	10x16	245	10x25	285
220	6x16	170	8x16	185	8x16	230	8x20	245	10x18	305	10x20	345	13x25	420	13x30	455
330	8x16	235	8x16	250	8x20	320	10x16	345	10x20	390	10x25	450	13x25	495	16x30	580
470	8x16	280	8x20	300	10x16	385	10x20	430	10x25	490	13x25	560	13x30	630	16x40	710
1000	10x20	450	10x20	485	10x25	565	13x25	660	13x25	720	16x33	875	16x40	890	18x40	1095
2200	13x21	740	13x21	790	13x26	925	16x28	1020	16x32	1145	18x33	1405				
3300	13x26	905	13x26	1015	16x30	1170	16x40	1300	18x36	1175						
4700	13x30	1165	16x26	1250	16x32	1440	18x36	1635								