

导电性高分子铝固态电解电容器

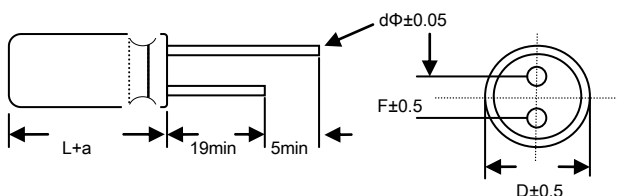
TT series

- Suitable for switching power supply,DC/DC converter PDP/LCD TV and digital equipment
- 125°C 2000 hours assured
- Low ESR with large ripple current
- ROHS Compliance

■SPECIFICATIONS

Item	Performance Characteristics	
Operating	-55°C~+125°C	
Rated Voltage Range	4~25V	
Capacitance Tolerance	±20% , 120Hz , 20°C	
Leakage Current(MAX)	I≤0.2CV or 280 uA (After 2 minutes)	
Dissipation Factor(tan δ)	0.12 MAX	
ESR	Not more than the values in Table 1	
Characteristics of temperature impedance ratio	-55°C (100KHz low temperature)	Z / Z20°C≤1.25
	125°C (100KHz high temperature)	Z / Z20°C≤1.25
Load Life	After life test at conditions stated in the table below 2000hrs 105°C,the capacitors Shall meet the following requirement	
	Leskage Current	Not more than the specified value
	Capacitance Change	Within ±20% of initial value before test.
	Dissipation Factor	Not more than 200% of the specified value
	ESR	Not more than 200% of the specified value
Moisture resisnce (1000H,stored at 60°C, 90 to 95%R.H)	Leskage Current	Not more than the specified value
	Capacitance Change	Within ±20% of initial value before test.
	Dissipation Factor	Not more than 150% of the specified value
	ESR	Not more than 150% of the specified value
	Surge Voltage Test	At normal temperature,charge at surge voltage for 30sec.and discharge via a 1KΩ protective resistor for 330 sec.repeat for 1000 cycles
Leskage Current		Not more than the specified value
Capacitance Change		Within ±20% of initial value before test
Dissipation Factor		Not more than 150% of the specified value
ESR		Not more than 150% of the specified value
Others	JIS-C-5101-4	

■DIMENSIONS(mm)



D	5	6.3	8	10
d	0.5	0.5	0.5	0.6
F	2.0	2.5	3.5	5
a	L < 11,a=1.0;L≥11,a=1.5			

导电性高分子铝固态电解电容器



Frequency Coefficient for Ripple Current

Frequency	120Hz≤F < 1KHz	1KHz≤F < 10KHz	10KHz≤F < 100KHz	100KHz≤F < 500KHz
Coefficient	0.05	0.3	0.7	1

WV (v)	CAP (uF)	ΦD (mm)	L (mm)	ESR (mΩ) max at 20°C 100KHz	Ripple current (uA) max at 105°C 100KHz	Ripple current (uA) max at 125°C 100KHz	Dissipation Factor at 20°C 120Hz	Leakage current (uA) max after 2 minutes
4	680	8	9	14	4200	1260	12	544
	820	8	9	14	4200	1260	12	656
	1200	10	12	14	4600	1380	12	960
	1500	10	12	14	5300	1590	12	1200
6.3	470	8	9	14	4200	1260	12	592
	470	8	11	14	4600	1380	12	592
	560	8	9	14	4600	1380	12	705
	680	8	11	14	4600	1380	12	856
	820	10	12	14	5300	1590	12	1033
	1000	10	12	14	5300	1590	12	1260
10	330	8	11	14	4600	1380	12	660
	470	8	11	14	4600	1380	12	940
	680	10	12	14	5300	1590	12	1360
16	100	8	9	20	3000	900	12	320
	220	8	11	19	4400	1200	12	704
	330	10	12	19	4600	1380	12	1056
25	220	10	12	40	2100	630	12	1100
	270	10	12	40	2100	630	12	1350