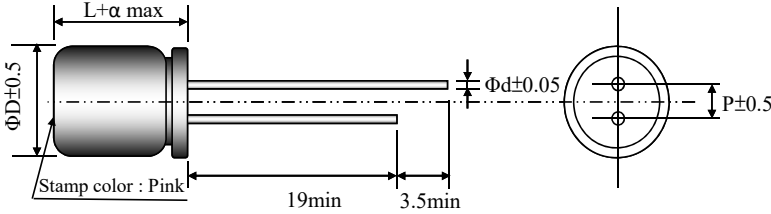


**1. Product Dimensions,ESR,maximum permissible ripple current**

1.1 Product Dimensions(mm):



ΦDxL	ΦD	L	α	P	Φd
8*8	8	8	1.5	3.5	0.6

1.2 Product Impedance & Maximum Permissible Ripple Current

Customer:	Ozdisan	Conductive Polymer Aluminum Solid Capacitors	Su'scon
		EC Series	Code

Electric Characteristics:											
Ozdisan P/N	Su'scon P/N	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size D*L(mm)	E.S.R 100K Hz at 25°C Max(mΩ)	Leakage Current Max (uA)	D.F. Max (%)	R.C 100K Hz (mA rms)	Load Life (hours)
	EC006M821F08PKKKS00R	820	±20	6.3	105	8*8	10	1033	12	5680	2000

REMARKS:

- Capacitance Test: at 20°C, 120 Hz.
- Operating temperature: -55°C~ +105°C
- Leakage Current Test: at 20°C for 2 minutes.
- Dissipation Factor Test: at 20°C, 120 Hz.
- Ripple Current Test: at 105°C, 100 KHz ;
- Load Life: The following specifications shall be satisfied when the capacitors are restored to 25°C after the rated voltage is applied for 2000 hours at 105°C.  
 Capacitance Change: ≤±20% of the initial value;  
 tanδ: ≤150% of the initial specified value;  
 ESR: ≤150% of the initial specified value;  
 Leakage Current: ≤The initial specified value;
- Moisture Resistance: The following specifications shall be satisfied when the capacitors are restored to 25°C after subjecting them to store 60 °C, 90 to 95% RH for 1000 hours, without DC applied.  
 Capacitance Change : ≤±20% of the initial value;  
 tanδ: ≤150% of the initial specified value;  
 ESR: ≤150% of the initial specified value;  
 Leakage Current: ≤The initial specified value;
- when have characteristic requested : Load life & shelf life test and etc. , judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range	2.5V~16V
Leakage Current	See characteristic table (After rated voltage applied for 2 minutes)
Dissipation Factor	Measurement Frequency: 120Hz. Temperature: 20°C

●RIPPLE CURRENT COEFFICIENTS

Frequency	120Hz ≤ f < 1KHz	1KHz ≤ f < 10KHz	10KHz ≤ f < 100KHz	100KHz ≤ f < 500KHz
Coefficient	0.05	0.3	0.7	1.00

Rated Rippling Current (100kHz /105°C): Including self-heating caused by ripple current, the surface temperature at the top of the aluminum shell shall not exceed 105°C.

Production date:2024.10.08