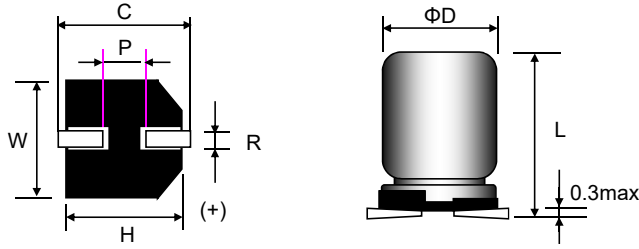


**1. Product Dimensions,ESR,maximum permissible ripple current**

1.1 Product Dimensions:



ΦDxL	ΦD±0.5	L±0.3	W±0.2	H±0.2	C±0.2	R	P±0.2
6.3*7.7	6.3	7.7	6.6	6.6	7.3	0.5~0.8	2.1

1.2 Product Impedance & Maximum Permissible Ripple Current

Customer:	Ozdisan	Conductive Polymer Aluminum Solid Capacitors	Su'scon
		VL 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)
	VL035M270E7DPE99V00R	27	±20	35	105	6.3*7.7	60	300	12	1400	5000

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 20°C after the rated voltage is applied for 5000 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 20°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	4V~50V
Leakage Current	See characteristic table (After rated voltage applied for 2 minutes)
Dissipation Factor	Measurement Frequency: 120Hz. Temperature: 20°C

●FREQUENCY COEFFICIENT FOR RIPPLE CURRENT

Frequency	120Hz≤ f < 1KHz	1KHz≤ f < 10KHz	10KHz≤f < 100KHz	100KHz≤f < 500KHz
Coefficient	0.05	0.30	0.70	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