

CONDUCTIVE POLYMER ALUMINUM SOLID ELECTROLYTIC CAPACITORS

HH2 Series

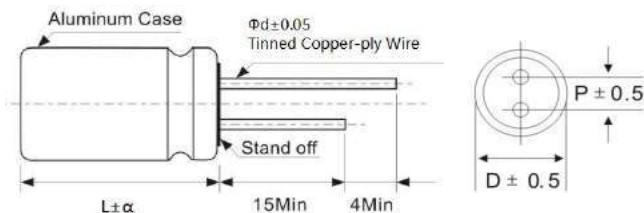
- Low ESR, high ripple current, high voltage
- Load life of 2000 hours at 105°C
- Radial, Voltage Range 35V~100VDC
- RoHS Compliant



◆ Specifications

Items	Characteristics		
Category	-55 ~ +105°C		
Temperature Range			
Rated Voltage Range	35 ~ 100V		
Capacitance tolerance	±20%(M) (at 20°C,120Hz)		
Leakage Current	Less than or equal to the specified value. After 2 minutes application of rated Voltage at 20°C, I≤0.1CV or 299µA		
Dissipation Factor (tanδ)	Rated voltage (V)	35~100	(at 20°C,120Hz)
	tanδ (Max.)	0.12	
Low Temperature Characteristics (Max.Impedance Ratio)	Z(-25°C)/Z(+20°C)	≅ 1.25	(100KHz)
	Z(-55°C)/Z(+20°C)	≅ 1.25	
Endurance	The specifications listed below shall be satisfied when the capacitors are restored to 20°C after application of rated voltage for 2000 hours at 105°C.		
	Appearance	No significant damage	
	Capacitance change	≅ ±20% of the initial value	
	D.F.(tanδ)	≅ 150% of the specified value	
	ESR	≅ 150% of the specified value	
	Leakage current	≅ The specified value	
Damp Heat (Steady State)	The specifications listed below shall be satisfied when the capacitors are restored to 20°C after application of rated voltage for 1000 hours at 60°C,90%~ 95% RH.		
	Appearance	No significant damage	
	Capacitance change	≅ ±20% of the initial value	
	D.F.(tanδ)	≅ 150% of the specified value	
	ESR	≅ 150% of the specified value	
	Leakage current	≅ The specified value	
(Surge Voltage)	Surge Voltage=Rated voltage × 1.15(V)		
	The capacitors shall be subjected to 1000 cycles each consisting of charge with the surge voltages specified at 105°C for 30 seconds through a protective resistor (Rc=1kΩ) and discharge for 5 minutes 30 seconds		
	Appearance	No significant damage	
	Capacitance change	≅ ±20% of the initial value	
	D.F.(tanδ)	≅ 150% of the specified value	
	ESR	≅ 150% of the specified value	
Leakage current	≅ The specified value		

◆ Dimensions (mm)



ΦD	5	6.3	8	10
P	2.0	2.5	3.5	5.0
Φd	0.5	0.6	0.6	0.6

α	(L < 16)1.0
	(16 ≦ L < 22)1.5
	(L ≧ 22)2.0