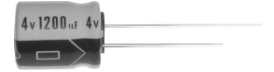


Features

- This capacitor is winding type aluminum electrolytic capacitors that uses conductive polymer (Polythiophene system) as electrolyte and realized low ESR and high permissible ripple current at high frequencies band. It is very suitable for noise suppressing in smoothing circuits of DC-DC converter or high frequencies circuits.

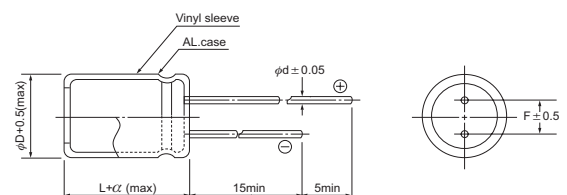


SPECIFICATION

Item	Characteristic				
Operation Temperature Range	-55 ~ +105°C				
Rated Working Voltage	4 ~ 16VDC				
Capacitance Tolerance (120Hz 20°C)	±20%(M)				
Leakage Current (20°C)	The initial specified value or less (Value in Characteristics List) I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)				
Surge Voltage (20°C)	W.V.	4	6.3	10	16
	S.V.	5	8	13	20
Dissipation Factor (tan δ) (120Hz 20°C)	The initial specified value or less (Value in Characteristics List)				
Temperature Characteristics	Impedance ratio at 100KHz				
	Rated Voltage (V)	4	6.3	10	16
	-25°C / +20°C	1.00~1.25	1.00~1.25	1.00~1.25	1.00~1.25
	+105°C / +20°C	0.75~1.00	0.75~1.00	0.75~1.00	0.75~1.00
Load Life	After 2000 hours application of WV at +105°C, the capacitor shall meet the following limits.				
	Capacitance Change	≦ ±20% of initial value.			
	Dissipation Factor	≦ 150% of initial specified value			
	Equivalent Series Resistance	≦ 150% of initial specified value			
	Leakage current	≦ initial specified value			
Moisture Resistance	After 1000 hours application of WV at +60°C, under humidity within 90~95% the capacitor shall meet the following limits.				
	Capacitance Change	≦ ±20% of initial value.			
	Dissipation Factor	≦ 150% of initial specified value			
	Equivalent Series Resistance	≦ 150% of initial specified value			
	Leakage current	≦ initial specified value			
Surge Voltage Characteristics	The capacitor shall be subjected to 1000 cycles at 105°C, the cycles consists of charging at the designated surge voltage for 30s and discharged for approx.5min 30s.				
	Capacitance Change	≦ ±5% of initial value.			
	Dissipation Factor	≦ initial specified value			
	Leakage current	≦ initial specified value			

DIMENSIONS (mm)

φD	6.3x7	6.3x10	8x11.5	10x12.5
F	2.5	2.5	3.5	5.0
d	0.45	0.6	0.6	0.6
α	1.0	1.0	1.5	1.5



● Characteristics List

Rated voltage (VDC)	Nominal capacitance(μF)	Case size(mm)		tan δ at 120Hz	Leakage current(μA)	ESR(mΩ) at 100kHz	(mArms) at 100kHz, 150°C	Part number
		φ d	L					
4.0	560	8	11.5	0.08	224.0	13	4080	SCR561M0GFBBM
	680	10	12.5	0.08	272.0	10	4840	SCR681M0GGBCM
	820	10	12.5	0.08	328.0	7	5040	SCR821M0GGBCM
	1200	10	12.5	0.15	960.0	8	5040	SCR122M0GGBCM
6.3	47	6.3	7	0.07	5.9	60	1430	SCR470M0GE07M
	100	6.3	10	0.07	12.6	40	2000	SCR101M0JE10M
	150	8	11.5	0.07	18.9	30	2780	SCR151M0JFBBM
	220	8	11.5	0.07	27.7	30	3000	SCR221M0JFBBM
	330	8	11.5	0.08	207.9	25	3500	SCR331M0JFBBM
	390	8	11.5	0.08	245.7	16	3810	SCR391M0JFBBM
	470	8	11.5	0.08	296.1	16	3810	SCR471M0JFBBN
	560	10	12.5	0.08	352.8	14	4330	SCR561M0JGBCM
	680	10	12.5	0.08	428.4	12	4840	SCR681M0JGBCM
	820	10	12.5	0.15	516.6	9	5040	SCR821M0JGBCM
10	33	6.3	7	0.07	6.6	70	1370	SCR330M1AE07M
	68	6.3	10	0.07	13.6	50	2000	SCR680M1AE10M
	100	8	11.5	0.07	20.0	30	2670	SCR101M1AFBBM
	150	10	12.5	0.07	30.0	29	3020	SCR151M1AGBCM
	220	10	12.5	0.07	44.0	27	3370	SCR221M1AGBCM
	330	10	12.5	0.08	330.0	21	4140	SCR331M1AGBCM
	390	10	12.5	0.08	390.0	18	4510	SCR391M1AGBCM
	470	10	12.5	0.08	470.0	15	4510	SCR471M1AGBCM
16	33	6.3	7	0.06	10.6	70	1370	SCR330M1CE07M
	47	6.3	10	0.06	15.1	60	1830	SCR470M1CE10M
	68	8	11.5	0.06	21.8	36	2700	SCR680M1AFBBM
	100	8	11.5	0.06	32.0	30	2740	SCR101M1AFBBM
	150	10	12.5	0.06	48.0	28	3260	SCR151M1CGBCM