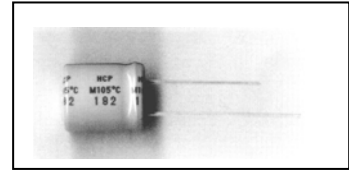


Richey Capacitor, Inc.

Aluminum solid electrolytic capacitor with conductive polymer REV Series



Very Low ESR, High Ripple Current.

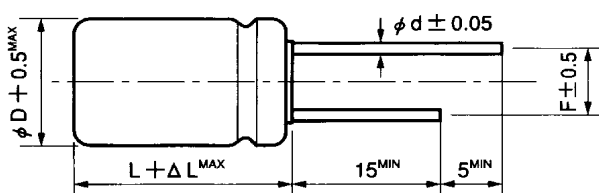
This capacitor is winding type aluminum electrolytic capacitors that uses a conductive polymer (Polythiophene) as electrolyte. It has a low ESR and high permissible ripple current at high frequencies band. Suitable for noise suppressing in smoothing circuits of DC-DC converter or high frequencies circuits.

■ Specifications

Item	Characteristics
Operating Temperature Range	-55°C~+105°C
Rate Voltage Range	4V~16V (DC)
Nominal Cap. Range	68-1200uF (at 20°C 120Hz)
Capacitance Tolerance	-20%~+20%(at 20°C 120Hz)
Leakage Current	The initial specified value or less (value in characteristics list)
Dissipation Factor (Tan δ)	The initial specified value or less (value in characteristics list)
Surge Voltage	Rated voltage x1.15
Temperature Characteristics	Z (-25°C) / Z (+20°C) 1.00-1.25 Stability at 100KHz Z (+105°C) / Z (+20°C) 0.75-1.00 Stability at 100KHz
High Temp. Load Test	105°C ,2000h, Rate Voltage applied Capacitance change: within ±20% of the initial measured value Tan δ : ≦ 150% of initial specified value ESR: ≦ 150% of initial specified value DC Leakage Current: The initial specified value
Moisture Resistance	60°C, 90~95% RH 500H, Rate Voltage applied Capacitance change: within ±20% of the initial measured value Tan δ : ≦ 150% of initial specified value ESR: ≦ 150% of initial specified value DC Leakage Current: The initial specified value
Surge Voltage Characteristics	The capacitor shall be subjected to 1000 cycles consists of charging at the designated surge voltage for 30s and discharged for approx.5mon 30s. Capacitance change: within ±5% of the initial measured value Tan δ : ≦ within initial specified value DC Leakage Current: The initial specified value

■ Dimension

(all dimension in mm)

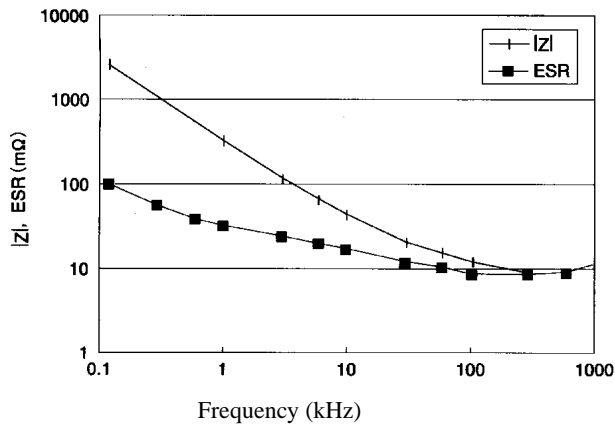


Φ X L	L	Φd	F
8 X 11.5	1.5	0.6	3.5
10 X 12.5	1.5	0.6	5.0

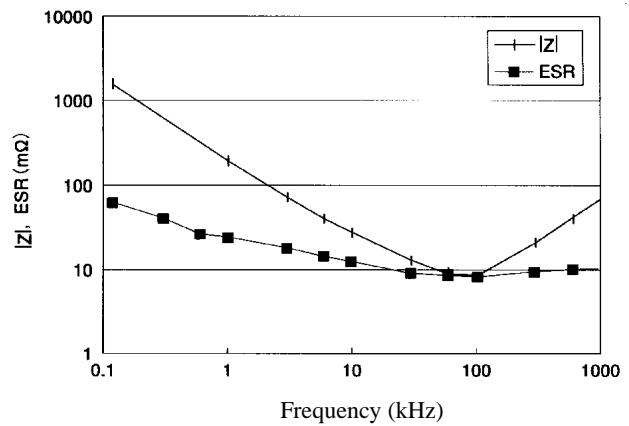
■ Characteristics list

Rate Voltage (VDC)	Nominal capacitance (uF)	Leakage current(uA)	Tan δ at 120Hz	ESR(m Ω) at 100kHz	Ripple(mArms) at 100KHz 105°C	Case size	
						Φ D	L
4.0	510	204.0	0.08	16	4080	8	11.5
	560	224.0	0.08	14	4080	8	11.5
	620	248.0	0.08	13	4080	8	11.5
	680	272.0	0.08	13	4840	10	12.5
	750	300.0	0.08	12	4840	10	12.5
	820	328.0	0.08	12	5040	10	12.5
6.3	1200	960.0	0.15	12	5040	10	12.5
	150	18.9	0.07	30	2780	8	11.5
	220	27.7	0.07	30	3000	8	11.5
	330	207.9	0.08	25	3500	8	11.5
	390	245.7	0.08	16	3810	8	11.5
	470	296.1	0.08	16	3810	8	11.5
	560	352.8	0.08	14	4330	10	12.5
10	680	428.4	0.08	13	4840	10	12.5
	820	516.6	0.15	12	5040	10	12.5
	100	20.0	0.07	30	2670	8	11.5
	150	30.0	0.07	29	3020	10	12.5
	220	44.0	0.07	27	3370	10	12.5
	330	330.0	0.08	21	4140	10	12.5
16	390	390.0	0.08	18	4510	10	12.5
	470	470.0	0.08	15	4510	10	12.5
	68	21.8	0.06	36	2700	8	11.5
	100	32.0	0.06	30	2740	8	11.5
	150	48.0	0.06	28	3260	10	12.5

■ ESR Typical data



Frequency characteristics of Impedance, ESR (6.3V-470 uF)



Frequency characteristics of Impedance, ESR (4V-820 uF)