

Features

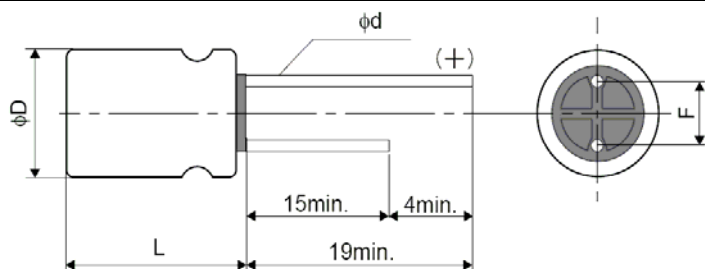
- Radial Type. Conductive Polymer Aluminum Solid Capacitors
- This type has lowest ESR level and excellent performance at high frequency through low profile.
- Ideal capacitor for digital and high frequency devices.
- High heat resistance and high reliability.

Application :

- Circuit= Noise-limiter, smoothing circuit of power supply
- Equipment = PC, Digital Still Camera, Hard Disk Drive, PDA, M.D. Graphic card etc

Characteristics

Voltage Range	2.5 ~20VDC	
Capacitance Range	22uF ~ 1500uF	
Temperature Range	-55 ~ +105°C	
Capacitance Tolerance	M:±20% , K:±10% (at 20°C , 120Hz)	
Leakage Current	0.2 x Capacitance(μF) x Rated Voltage(Vdc) After 2minutes	
Endurance (Rated Voltage at 105°C 2000 h)	Appearance	≦ No significant damage
	Capacitance Change (μF)	≦ 20% of an initial measured value
	Dissipation Factor (tan δ)	≦ 150% of an initial specified value
	ESR (mΩ)	≦ 150% of an initial specified value
	Leakage Current (μA)	≦ An initial specified value
Low Temperature Characteristics	Impedance Ratio (at 100kHz): Z ₋₂₅ /Z ₊₂₀ : 1.15 , Z ₋₅₅ /Z ₊₂₀ : 1.25	
Surge Voltage (V)	Rated Voltage x 1.15 (at 105°C)	



Drawing

φD	6.3	6.3	8.0	10
L	6	11	12	13
F	2.5	2.5	3.5	5.0
φd	0.4	0.6	0.6	0.6

Frequency coefficient for ripple current

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

Dimensions, Maximum Ripple Current & Impedance

W.V.(V)	Capacitance (μF)	Size φDxL(mm)	Tan δ (120Hz,200C)	L.C. (μA)	E.S.R. (100k-300kHz,mΩ,2 ^o 0C MAX)	Rated R.C 105 ^o C (mArms at 100kHz,)
2.5(0E)	220	6.3X5.5	0.12	110	28	2390
	680	8X12	0.18	340	13	4520
	1500	10X13	0.18	750	12	5440
4(0G)	150	6.3X5.5	0.12	120	35	1810
	270	6.3X11	0.12	216	15	3200
	560	8X12	0.18	448	13	4520
6.3(0J)	1200	10X13	0.18	960	12	5440
	100	6.3X5.5	0.12	126	40	1810
	220	6.3X11	0.12	277	18	3160
10	470	8X12	0.15	592	15	4210
	820	10X13	0.15	1033	12	5440
	330	8X12	0.12	660	17	3950
16	560	10X13	0.12	1360	13	5230
	47	6.3X5.5	0.10	150	50	1650
	100	6.3X11	0.10	320	22	2820
20	180	8X12	0.12	576	20	3640
	330	10X13	0.12	1056	16	4720
	22	6.3X5.5	0.10	88	60	1450
20	56	6.3X11	0.10	224	25	2650
	100	8X12	0.15	400	24	3320
	150	10X13	0.15	600	20	4320