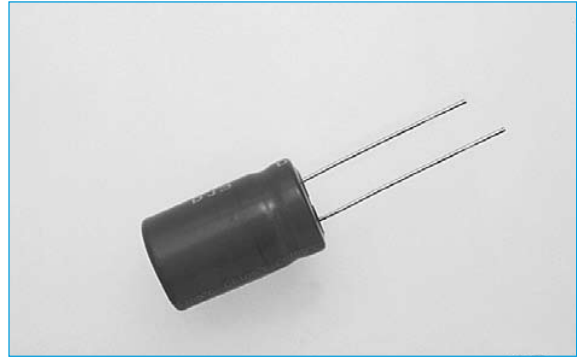


CAPACITORS

ALUMINIUM ELECTROLYTIC LOW IMPEDANCE DJ4X

- Low impedance for high frequency
- Radial type for switching power supplies
- Up to 3000 hours load life at 105°C



SECTION 1

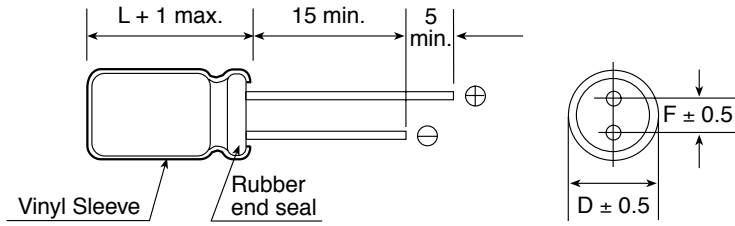
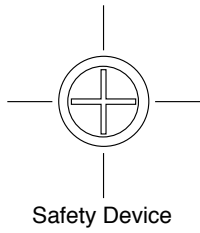
SPECIFICATION

Item	Performance Characteristics									
Operating Temperature Range	-40° to +105°C									
Rate Working Voltage Range	6.3 to 100V									
Nominal Capacitance Range	4.7 to 15000µF									
Capacitance Tolerance	-20 to +20%									
Leakage Current (+20 °C)	I = 0.01 CV(µA) or 3µA Whichever is greater. (Measurements shall be Made After a 2 Minute Charge at Rated Working Voltage)									
Dissipation Factor (120Hz, +20 °C)	Working voltage [VDC]	6.3	10	16	25	35	50	63	80	100
	D.F. Max. (%)	15	14	12	10	10	8	8	7	7
	For capacitor whose capacitance exceeds 2000µF. The value of D.F(%) is increased by 2% for every addition of 1000µF.									
Load Life	3000 Hours at 105°C Assured with Full Rated Maximum Ripple Current Applied 5 x 11 to 10 x 12 : Life = 2000 Hours 10 x 15 or Higher : Life = 3000 Hours (a)Capacitance Change : Within 20% of Initial Value (b) Dissipation Factor : NotExceed200% of Initial Requirement (c)Leakage Current : NotExceed the Initial Requirement									
Shelf Life	1000 Hours, No Voltage Applied, at 105°C (a)Capacitance Change : Within 20% of Initial Value (b) Dissipation Factor : NotExceed200 % of Initial Requirement (c)Leakage Current : NotExceed200% of Initial Requirement									

ORDERING INFORMATION

DJ4X	100	16	TA
Range	Capacitance µf	Voltage	Options TA = Tape/Ammo Blank = Loose
TA = 5mm pitch For others add pitch e.g. TA 2mm = 2mm pitch.			

OUTLINE DRAWING



Dø	5	6.3	8	10	13	16	18	22
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0
dø	0.5		0.6			0.8		

CAPACITORS

ALUMINIUM ELECTROLYTIC LOW IMPEDANCE DJ4X

CASE SIZE TABLE (mm)

UF/Volts	6.3v	10v	16v	25v	35v	50v	63v	100v
0.47uf								
1.0uf								
2.2uf								
3.3uf								
4.7uf				→	5x11	5x11	5x11	5x11
10uf				→	5x11	5x11	5x11	6.3x11
22uf			→	5x11	5x11	5x11	6.3x11	8x12
33uf			→	5x11	5x11	6.3x11	6.3x11	8x16
47uf		→	5x11	5x11	6.3x11	6.3x11	8x12	10x16
100uf	5x11	5x11	6.3x11	6.3x11	8x12	8x16	10x12	13x20
220uf	6.3x11	8x12	8x12	8x15	10x20	10x20	13x20	16x25
330uf	8x12	8x12	8x16	10x15	10x20	13x20	13x20	16x32
470uf	8x12	8x16	10x15	10x16	13x25	13x25	13x25	18x36
1000uf	10x17	10x20	10x25	13x20	16x25	16x25	16x36	
2200uf	13x21	13x25	13x25	13x36	18x40	18x40		
3300uf	13x30	13x30	16x25	16x36				
4700uf	16x25	16x25	18x26	18x36				

MAXIMUM IMPEDANCE

(UNIT Ω , 100 KHz AT 20 ° C)

UF/ Volts	6.3v	10v	16v	25v	35v	50v	63v	100v
0.47uf								
1.0uf								
2.2uf								
3.3uf								
4.7uf				→	1.2	2	2.2	2
10uf				→	0.9	1.7	1.85	1.5
22uf			→	0.51	0.58	0.7	1.2	0.79
33uf			→	0.58	0.58	0.6	0.096	0.59
47uf		→	0.58	0.58	0.37	0.52	0.7	0.35
100uf	0.58	0.58	0.37	0.22	0.14	0.25	0.344	0.16
220uf	0.32	0.22	0.14	0.1	0.08	0.06	0.128	0.071
330uf	0.22	0.14	0.1	0.08	0.044	0.045	0.128	0.049
470uf	0.13	0.1	0.082	0.06	0.046	0.06	0.064	0.038
1000uf	0.08	0.05	0.046	0.038	0.03	0.039	0.036	
2200uf	0.043	0.047	0.028	0.022	0.019	0.025		
3300uf	0.035	0.026	0.024	0.019				
4700uf	0.028	0.028	0.024	0.019				

MAXIMUM RIPPLE CURRENT

(UNIT mA, rms, 100 KHz AT 105 ° C)

UF/ Volts	6.3v	10v	16v	25v	35v	50v	63v	100v
0.47uf								
1.0uf								
2.2uf								
3.3uf								
4.7uf				→	115	115	115	120
10uf				→	140	140	140	200
22uf			→	60	190	200	115	300
33uf			→	100	200	295	115	145
47uf		→	210	150	250	295	232	550
100uf	210	150	250	250	450	550	288	730
220uf	250	300	550	750	800	1220	690	1400
330uf	400	550	750	865	1050	1690	690	1550
470uf	550	750	800	1210	1300	1400	1550	1700
1000uf	865	1100	1250	1450	1700	1900	1790	
2200uf	1450	1330	2000	2740	1960	2800		
3300uf	1700	2000	2200	2550				
4700uf	1800	2200	2770	2800				

FREQUENCY COEFFICIENT

Frequency (Hz)	50	120	300	1K	10K	100K
4.7uF	0.30	0.40	0.50	0.70	0.80	100
5.6 to 33uF	0.40	0.50	0.60	0.80	0.90	100
34 to 330uF	0.60	0.70	0.80	0.90	0.95	100
331 to 1000uF	0.65	0.80	0.90	0.98	1.00	100
1200uF Higher	0.85	0.90	0.95	0.98	1.00	100

TEMPERATURE COEFFICIENT

Temperature (C)	65	85	105
Factor	1.80	1.50	1.00