

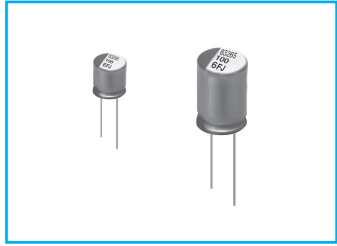
# CONDUCTIVE POLYMER ALUMINUM ELECTROLYTIC CAPACITORS

## FJ Lead type, With Conductive Polymer Series

- Low ESR, high ripple current
- Load life for 2000 hours at for charger 105°C
- For charger
- Complied to the RoHS directive

**Hi-CAP**

FB → **FJ**  
Low ESR  
High Cap.

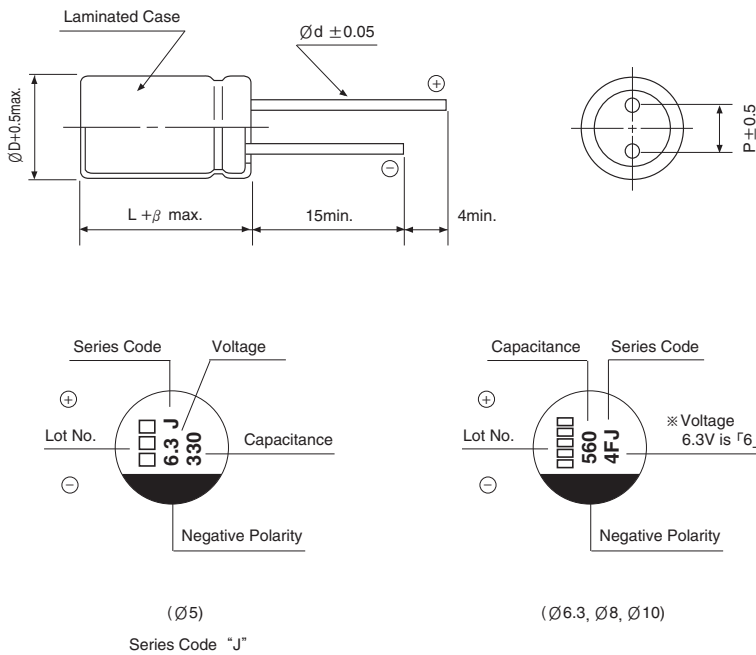


Item	Characteristics	
Operating temperature range	-55 ~ +105°C	
Leakage current max.*	Less than or equal to the value of Table 1	
Capacitance tolerance	±20% at 120Hz, 20°C	
Dissipation factor max.	Less than or equal to the value of Table 1	
ESR	Less than or equal to the value of Table 1	
Temperature characteristics (Impedance ratio at 100kHz)	Z-55°C / Z+20°C	Z+105°C / Z+20°C
	0.75 ~ 1.25	0.75 ~ 1.25
Load life (after application of the rated voltage for 2000 hours at 105°C)	Leakage current	Less than specified value
	Capacitance change	Within ±20% of initial value
	ESR	Less than 150% of specified value
	tanδ	Less than 150% of specified value

\* In case of some problems for measured values, measure after applying rated voltage for 120 minutes at 105°C.

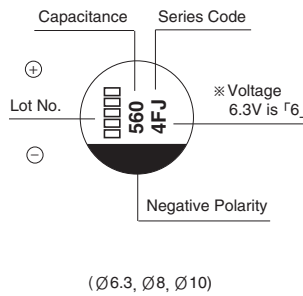
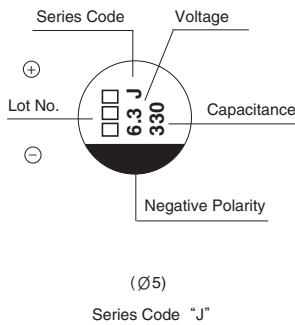
### ● DRAWING

Unit : mm



### ● PART NUMBER SYSTEM (See Page 52)

Size	∅D	L	P	∅d	β
5×8	5.0	8.0	2.0	0.45	1.5
5×9	5.0	9.0	2.0	0.45	1.5
6.3×8	6.3	8.0	2.5	0.45	1.5
8×9	8.0	9.0	3.5	0.60	1.5
8×12	8.0	12.0	3.5	0.60	1.5
10×13	10.0	13.0	5.0	0.60	1.5



**FJ** Series

● Table 1. FJ(Lead type) Series Characteristics List

WV	μF	∅D(mm)	L(mm)	ESR(mΩ)max. 100~300kHz	Ripple current (mA rms) at 105°C 100kHz	Dissipation factor 120Hz	Leakage Current (μA)(max.) after 2 minutes
2.5	330	6.3	8	7	5600	0.10	500
2.5	560	6.3	8	7	5600	0.10	500
2.5	560	8	9	8	4700	0.10	280
2.5	820	6.3	8	7	5600	0.10	513
2.5	820	8	9	5	7200	0.10	500
2.5	820	8	12	5	7200	0.10	500
2.5	1000	8	9	7	6100	0.10	500
2.5	2700	10	13	10	5560	0.10	1350
4	560	6.3	8	7	5600	0.10	560
4	560	8	9	5	7200	0.10	500
4	560	8	12	5	7200	0.10	500
4	680	8	12	5	7200	0.10	544
4	820	10	13	7	6640	0.10	656
6.3	270	5	8	7	3700	0.10	500
6.3	330	5	8	7	3700	0.10	416
6.3	390	5	8	11	3100	0.10	130
6.3	470	8	9	8	5700	0.10	592
6.3	470	8	12	8	5700	0.10	592
6.3	560	8	9	7	6100	0.10	706
6.3	680	6.3	8	7	3160	0.10	856
6.3	680	10	13	7	6640	0.10	857
6.3	1500	10	13	10	5560	0.10	1890
6.8	330	5	8	10	3700	0.10	448
6.8	390	5	9	10	3360	0.10	100
7.0	270	5	8	7	3000	0.10	100
7.5	330	5	9	10	3360	0.10	495
7.5	390	5	9	10	3360	0.10	100
7.5	470	5	9	11	3100	0.10	210
16	100	6.3	8	10	4680	0.10	500
16	180	8	12	16	4360	0.10	576
16	270	8	12	11	5000	0.10	864
16	470	10	13	10	6100	0.10	1504

SOLID TYPES

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	120Hz	1kHz	10kHz	100~500kHz
Coefficient	0.05	0.3	0.7	1