

FA Chip type, With Conducting Polymer Series

- Low ESR, high ripple current
- Designed for surface mounting on high density PC board
- Load life for 2000 hours at 105°C

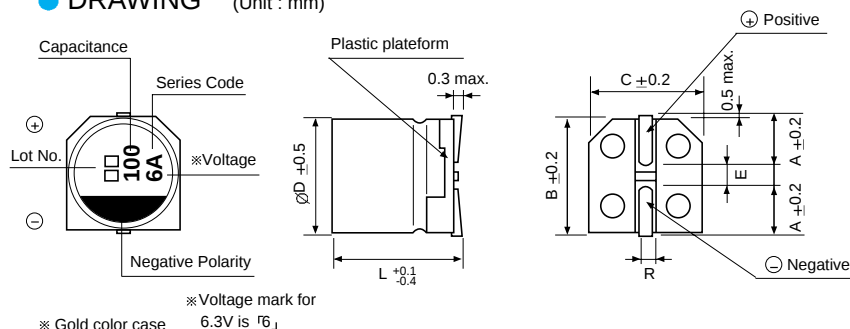
Hi-CAP



Item	Characteristics	
Operating temperature range	-55 ~ +105°C	
Leakage current max. *1	Less than or equal to the value of Table1	
Capacitance tolerance	±20% at 120Hz, 20°C	
Dissipation factor max.	Less than or equal to the value of Table1	
ESR	Less than or equal to the value of Table1	
Temperature characteristics (Impedance ratio at 100kHz)	Z-55°C / Z+20°C	Z+25°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, In case of 25WV is applied 20V)	Leakage current	Less than specified value
	Capacitance change	Within ±20% of initial value
	tan δ	Less than 150% of specified value
Resistance to soldering heat (Refer to Page 36 for soldering recommendation)	Leakage current	Less than specified value
	Capacitance change	Within ±10% of initial value
	tan δ	Less than 130% of specified value

* In case of some problems for measured values, measure the current after applying rated voltage for 120 minutes at 105°C. The rated voltage should be applied for 4 to 20WV, while 20V should be applied for 25WV.

DRAWING (Unit : mm)



PART NUMBER SYSTEM (See Page 34)

Size	ØD	L	A	B	C	E	R
6.3×6	6.3	5.9	2.4	6.6	6.6	2.2	0.5~0.8
8×6.2	8.0	6.9	3.3	8.3	8.3	3.1	0.8~1.1
10×10	10.0	7.9	3.2	10.3	10.3	4.5	0.8~1.1

DIMENSIONS

WV	4	6.3	10	16	20	25
4.7						
6.8						6.3 × 6
10						8 × 6.2
15						
22					6.3 × 6	10 × 10
27				6.3 × 6	6.3 × 6	
33					8 × 6.2	
39				6.3 × 6		
47			6.3 × 6		8 × 6.2	
56			6.3 × 6	8 × 6.2	10 × 10	
68					10 × 10	
82		6.3 × 6		8 × 6.2		
100		6.3 × 6		10 × 10		
120			8 × 6.2			
150	6.3 × 6		8 × 6.2	10 × 10		
180				10 × 10		
220		10 × 10				
270			10 × 10			
330	8 × 6.2	10 × 10	10 × 10	Case size ØD × L (mm)		
470		10 × 10				
680	10 × 10					

CONDUCTING POLYMER ALUMINUM ELECTROLYTIC CAPACITORS

FA series

● Table 1. FA(Chip type) Series Characteristics List

WV	μF	$\varnothing\text{D(mm)}$	L(mm)	ESR($\text{m}\Omega$)max at 20°C, 100~300kHz	Ripple current (mA _{rms}) 45°C, 100kHz	Dissipation factor at 20°C, 120Hz	Leakage current (μA) max after 2 minutes
4	150	6.3	6	40	1810	0.12	120
4	330	8	6.2	35	2560	0.12	264
4	680	10	10	25	3700	0.12	544
6.3	82	6.3	6	45	1700	0.12	103
6.3	100	6.3	6	40	1810	0.12	126
6.3	220	10	10	25	3700	0.12	277
6.3	330	10	10	25	3700	0.12	416
6.3	470	10	10	25	3700	0.12	592
10	47	6.3	6	50	1620	0.12	94
10	56	6.3	6	45	1700	0.12	112
10	120	8	6.2	35	2560	0.12	240
10	150	8	6.2	35	2560	0.12	300
10	270	10	10	25	3700	0.12	540
10	330	10	10	25	3700	0.12	660
16	27	6.3	6	60	1450	0.10	86
16	39	6.3	6	50	1620	0.10	125
16	56	8	6.2	45	2120	0.12	179
16	82	8	6.2	40	2560	0.12	262
16	100	10	10	35	2670	0.12	320
16	150	10	10	30	3020	0.12	480
16	180	10	10	30	3020	0.12	576
20	22	6.3	6	60	1450	0.10	88
20	27	6.3	6	60	1450	0.10	108
20	33	8	6.2	45	1890	0.12	132
20	47	8	6.2	45	1890	0.12	188
20	56	10	10	40	2400	0.12	224
20	68	10	10	40	2400	0.12	272
25	6.8	6.3	6	80	1200	0.10	85
25	10	8	6.2	60	1500	0.10	125
25	22	10	10	50	2000	0.10	275