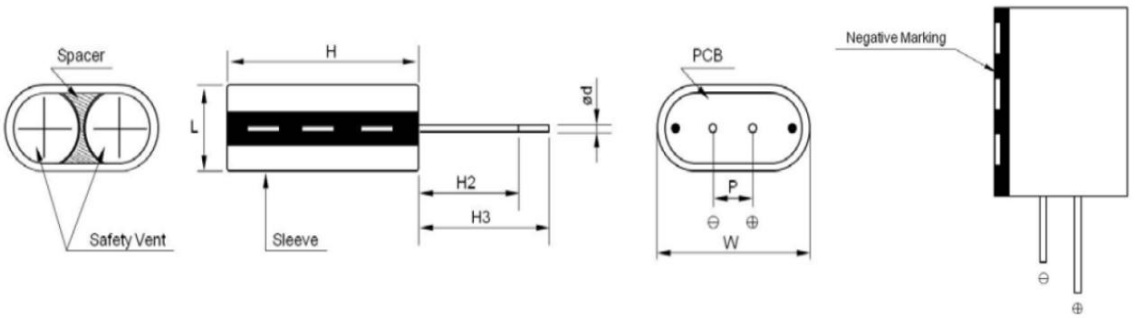
CP Series

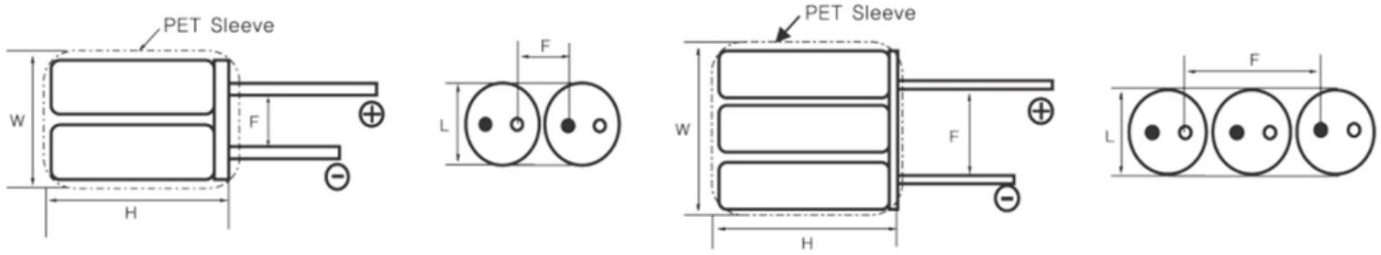
- Wide operating temperature range from -40℃ to +85℃
- Low ESR and high power
- The application of solar voltaic,Motor drive through quick discharge,Emergency power supply for car DVR or black box...

◆ SPECIFICATIONS

Items	Characteristics	
Rated working voltage	5.5VDC	6.0VDC & 7.5VDC
Operating temperature	-40 to +85℃	-40 to +85℃
Maximum surge voltage	5.8VDC	6.3VDC & 7.9VDC
Nominal Cap. range	0.047F to 15F	0.1F to 12F & 0.22F to 2F
Capacitance tolerance	-20% to +20%(at 25℃)	
Low temperature(-40℃) characteristics	Capacitance change : ≤ 30% of the initial value at +25℃ Internal resistance : Less than three times of the initial value at +25℃	
Endurance	After 1,000hours application of rated DC working voltage at +85℃, the capacitor shall meet the following limits. • Capacitance change : ±30% of the initial value • Internal resistance : Less than four times of the initial value	
Cycle life characteristics	Capacitors charge-discharge between rated voltage and half rated voltage under constant current at +25℃(>500,000 cycles)	

◆ DIMENSIONS [mm]





STANDARD PRODUCTS

Part Number	Operating Voltage (V)	Capacitance (F)	ESR (Ω, @1kHz)	Size (mm)			
				W	L	H	F
CP-5R5-0R1-D2	5.5	0.10	≤ 1.20	10.5	5	12	6.8
CP-5R5-0R2-E2	5.5	0.22	≤0.60	13.5	6.5	15	9
CP-5R5-0R3-F2	5.5	0.33	≤ 0.60	16.5	8	15	12
CP-5R5-0R4-F2	5.5	0.47	≤ 0.60	16.5	8	15	12
CP-5R5-1R0-G2	5.5	1.0	≤ 0.24	16.5	8	22	12
CP-5R5-1R5-G2	5.5	1.5	≤ 0.14	20.5	10	22	15.3
CP-5R5-2R0-W2	5.5	2.0	≤ 0.12	25.5	12.5	23	17.8
CP-5R5-4R0-W2	5.5	4.0	≤ 0.09	25.5	12.5	23	17.8
CP-5R5-6R0-W2	5.5	6.0	≤ 0.07	25.5	12.5	23	17.8
CP-5R5-100-L2	5.5	10.0	≤ 0.04	32.5	16	28	24
CP-5R5-120-L2	5.5	12.0	≤ 0.04	32.5	16	28	24
CP-5R5-150-L2	5.5	15.0	≤ 0.04	32.5	16	36	24
CP-6R0-0R1-D2	6.0	0.1	≤ 3.00	10.5	5	12	6.8
CP-6R0-0R2-E2	6.0	0.22	≤1.00	13.5	6.5	15	9
CP-6R0-0R3-F2	6.0	0.33	≤ 0.90	16.5	8	15	12
CP-6R0-0R4-F2	6.0	0.47	≤ 0.70	16.5	8	15	12

STANDARD PRODUCTS

Part Number	Operating Voltage (V)	Capacitance (F)	ESR (Ω, @1kHz)	Size (mm)			
				W	L	H	F
CP-6R0-1R0-F2	6.0	1.0	≤ 0.35	16.5	8	22	12
CP-6R0-2R0-W2	6.0	2.0	≤ 0.18	25.5	12.5	23	17.8
CP-6R0-4R0-W2	6.0	4.0	≤ 0.12	25.5	12.5	23	17.8
CP-6R0-5R0-W2	6.0	5.0	≤ 0.11	25.5	12.5	27	17.8
CP-6R0-6R0-W2	6.0	6.0	≤ 0.08	25.5	12.5	36	17.8
CP-6R0-100-L2	6.0	10.0	≤ 0.06	32.5	16	28	24
CP-7R5-0R2-F3	7.5	0.22	≤ 1.80	24.5	8	15	13.3
CP-7R5-0R3-F3	7.5	0.33	≤ 0.90	24.5	8	15	13.3
CP-7R5-0R6-F3	7.5	0.66	≤ 0.75	24.5	8	22	13.3
CP-7R5-1R0-G3	7.5	1.0	≤ 0.21	30.5	10	22	25.8
CP-7R5-2R0-G3	7.5	2.0	≤ 0.18	30.5	10	22	25.8

●Please check with us about the specified actual demanding and much more customized models.